




Interoffice Memo Office of Design Policy & Support

DATE: 1/4/2021

FILE: P.I.# 0000820
Camden/Charlton Counties / GDOT District 5 - Jesup
Widening - SR 40 from E OF St Marys River Tributary to E of CR
66/Colerain Rd

FROM:  R. Christopher Rudd, PE, State Design Policy Engineer

TO: SEE DISTRIBUTION

SUBJECT: APPROVED REVISED CONCEPT REPORT

Attached is the approved Revised Concept Report for the above subject project.

Attachment

Distribution:

Hiral Patel, Director of Engineering
Joe Carpenter, Director of P3
Albert Shelby, Director of Program Delivery
Carol Comer, Director, Division of Intermodal
Darryl VanMeter, Assistant Director of P3/State Innovative Delivery Administrator
Matthew Markham, Deputy Director of Planning
Kim Nesbitt, Program Delivery Administrator
Bobby Hilliard, Program Control Administrator
Eric Duff, State Environmental Administrator
Donn Digamon, State Bridge Engineer
Andrew Heath, State Traffic Engineer
Angela Robinson, Financial Management Administrator
Erik Rohde, State Project Review Engineer
Monica Flournoy, State Materials Engineer
Patrick Allen, State Utilities Engineer
Eric Conklin, State Transportation Data Administrator
Attn: Systems & Classification Branch
Benny Walden, Statewide Location Bureau Chief
Robert McCall, District Engineer
Troy Pittman, District Preconstruction Engineer
Dallory Rozier, District Utilities Engineer
Cassius Edwards, Project Manager
BOARD MEMBER - 1st Congressional District

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
REVISED PROJECT CONCEPT REPORT**

Project Type:	Widening	P.I. Number:	0000820
GDOT District:	5-Jesup	County:	Charlton/Camden
Federal Route Number:	N/A	State Route Number:	40
	Project Number:	STP00-0000-00(820)	

State Route (SR) 40 is a major East-West corridor in Southeast Georgia, connecting Folkston on the West with Kingsland, Interstate 85, and St. Mary's on the East. The proposed project would widen an 11.47-mile portion of the SR40 corridor, between milepost 5.21 in Charlton County to County Route (CR) 66, Colerain Road MP 10.12 in Camden County. The typical section consisting of a 4-lane divided 4 foot flush median is now proposed along with the 5-lane 14' flush median section through the Browntown Community.

Submitted for approval:

** Concept Report updated 12/7/2020*

WSP USA, Inc. / Geoffrey Donald, PE

9-11-2020

Consultant Designer & Firm or GDOT Concept/Design Phase Office Head & Office

Date

Hamberley W. Nettitt

9/22/2020

State Program Delivery Engineer

Date

Cassius O. Edwards *CSL* *C.L.B.*

9.21.2020

GDOT Project Manager

Date

Recommendation for approval:

** Recommendations are on file ~ OB*

** Eric Duff*

10/30/20

State Environmental Administrator

Date

** Chris Raymond*

11/10/20

for State Traffic Engineer

Date

** Donn Digamon*

11/11/20

State Bridge Engineer

Date

** Robert McCall*

10/28/20

District Engineer

Date

- ☐ MPO Area: This project is consistent with the MPO adopted Regional Transportation Plan (RTP)/Long Range Transportation Plan (LRTP).
- ☒ Rural Area: This project is consistent with the goals outlined in the Statewide Transportation Plan (SWTP) and/or is included in the State Transportation Improvement Program (STIP).

** Matt Markham*

11/10/20

State Transportation Planning Administrator

Date

** Recommendations were also received from the following: ~ OB*

- * Office of Engineering Services: Erik Rohde (10/29/20)*
- * Office of Utilities: Marcela Coll (10/30/20)*
- * Office of Intermodal: Alan C. Hood (11/9/20)*

PLANNING, APPROVED CONCEPT, AND BACKGROUND

Prepared By: Planning **Date:** *Date* 10/5/2007

Project Justification Statement

SR 40 is an east-west route in the southeastern Georgia counties of Camden and Charlton. Between MP 5.21 in Charlton County and Colerain Road in Camden County, SR 40 is currently a two-lane route functionally classified as a Rural Minor Arterial. It has a posted speed limit of 55 MPH and is not listed as a designated bike route in the Statewide Bicycle Plan. The proposed widening was added to the Department's Construction Work Program in April 2000. SR 40 is identified as a Governor's Road Improvement Program (GRIP) route to address the importance of stimulating economic growth throughout the state via an improved transportation network. In addition, SR 40 is designated as a hurricane evacuation route. The project is currently listed in the approved FY 2012-2015 STIP with ROW funds programmed in FY 2014.

Based upon traffic data information approved by the Office of Planning, the 2011 Average Annual Daily Traffic (AADT) along SR 40 in the area of this project is 4,900 AADT, which represents a level-of-service "B". Projected traffic volumes show a traffic volume of 7,200 AADT by the design year 2036 which represents a LOS "C". LOS "B" and "C" are considered acceptable with regards to statewide LOS performance measures, as referenced in the 2005-2035 Statewide Transportation Plan (SWTP). Analysis of the last three years of available crash data in this area show that the crash rates for this section of SR 40 were below the comparable statewide average.

Existing conditions:

To the west, the project ties into an existing four lane section at MP 5.21 in Charlton County, which was widened under GRIP project PI 522350. To the east, this widening project ties into the proposed 4-lane Kingsland Bypass, PI 0008666, which the FY 2012-2015 STIP has ROW funds programmed in FY 2014. In addition, traffic volumes on SR 40 drop by approximately 19% when continuing eastbound beyond Colerain Road.

Description of the approved concept:

State Route (SR) 40 is a major east-west corridor in southeast Georgia, connecting Folkston on the west with Kingsland, Interstate 95, and St. Mary's on the east. The SR 40 corridor is identified for widening as part of the Governor's Road Improvement Program (GRIP), and it is a designated hurricane evacuation route. The GRIP would widen the 29-mile long SR 40 corridor to four lanes, most of it divided by a 32-foot wide grass median. Roadway widening and improvements are either completed or under construction along 13 miles (45 percent) of the SR 40 GRIP corridor. Project ID No. (PI) 0000820 would widen an 11.47-mile portion of the SR 40 corridor between milepost 5.21 in Charlton County to County Route (CR) 66, Colerain Road MP 10.12 in Camden County. Five Box Bridge culverts will be lengthening they include 039-0059-0, 039- 0014-0, 039-060-0, 0390061-0, and 039-0062-0.

Federal Oversight: ☐ PoDI ☒ Exempt ☐ State Funded ☐ Other

(Approved Concept Report) Projected Traffic:

24 HR T: 14 % Open Year (2016): 5700 Design Year (2036): 7640

Updated Traffic:

24 HR T: 14 % Open Year (2024): 5100 Design Year (20YY): 6450

Updated Traffic Projections Performed by: *WSP* *Date* 4/12/2017

AASHTO Functional Classification (Mainline): Minor Arterial

AASHTO Context Classification (Mainline): Rural

AASHTO Project Type (Mainline): Reconstruction

VE Study anticipated: ☐ No ☐ Yes ☒ Completed 7/8/2009

Alternative to be rescinded in July 8, 2009 VE Implementation:

A-1: Construct 11- foot lanes in the 5-lane urban section between Sta. 690+00 and Sta. 721+00

PROPOSED REVISIONS

Approved Features:	Proposed Features:
<ul style="list-style-type: none"> The approved concept report from 2013 states that a typical section consisting of a “32’ depressed/14’ flush” median will be utilized on PI-0000820. The 14’ flush median will be implemented through the Browntown Community. The required right of way width varied from 194-feet to 234-feet 	<p>A reduced typical consisting of a 4’ flush median is now proposed along with a 14’ flush median urban section through the Browntown Community. The new required right of way width will vary from 194-feet to 210 feet. *A Value Engineering Study Implementation Reversal request will be submitted for the VE implemented 11-foot lanes through the Browntown community, the 11-foot lanes will be rescinded and 12-foot lanes will be proposed throughout.</p>
Reason(s) for change: This proposed change reduces the project’s disturbed area, ROW area, and environmental impacts. In turn, projects costs and impacts will decrease, respectively	

Design Exceptions and/or Variances needed: A design variance was approved on 6-17-2019 for median usage utilizing the 4-foot flush median.

Major Structures:

Structure	Existing	Proposed
039-0059-0 MP 1.39 Mill Creek	69’ long triple 7’x7’ RCB culvert Suff. Rat. 94.06, 2.5’ shoulders, 23.5’ travel lanes	To be extended 53 feet total length 122’, 10’ outside shoulders 6.5’ paved 4-12’ travel lanes total width 48’, 4’ flush median
039-0014-0 MP 3.47 Mallet’s Creek Trib.	54’ long double 10’x4’ RCB culvert Suff. Rat. 88.18, 2.5’ shoulders, 23.5’ travel lanes	To be extended 41 feet total length 95’, 10’ outside shoulders 6.5’ paved 4-12’ travel lanes total width 48’, 4’ flush median
039-0060-0 MP 4.07 Mallet’s Creek	67’ long triple 7’x5’ RCB culvert Suff. Rat 96.06, 2.5’ shoulders, 23.5’ travel lanes	To be extended 62 feet total length 129’, 10’ outside shoulders 6.5’ paved 4-12’ travel lanes total width 48’, 4’ flush median
039-0061-0 MP 5.56 Horse Pen Creek	67’ long triple 8’x4’ RCB culvert Suff. Rat. 96.06, 2.5’ shoulders, 23.5’ travel lanes	To be extended 44 feet total length 111’, 10’ outside shoulders 6.5’ paved 4-12’ travel lanes total width 48’, 4’ flush median
039-0062-0 MP 7.28 Temple Creek	67’ long triple 8’x6’ RCB culvert Suff. Rat. 99.21, 2.5’ shoulders, 23.5’ travel lanes	To be extended 101 feet total length 177’, 10’ outside shoulders 6.5’ paved 4-12’ travel lanes total width 48’, 4’ flush median

ENVIRONMENTAL AND PERMITS

Potential environmental impacts of proposed revision: Environmental impacts are anticipated to be reduced by the narrowed project footprint; however, impacts through the Browntown Community will increase due to the lane widths increasing from 11-feet to 12-feet. Specialty reports will need to be revised for the project footprint changes. A Project Change Request Form (PCRF) was approved for the project changes; however, delays to the project PE funding impacted the approved schedule, an escalation letter has been sent in, the project is currently working from a recovery schedule and will meet the right of way authorization date of 9-23-2021.

• Have proposed revisions been reviewed by environmental staff? ☐ No ☒ Yes

• Environmental responsibilities (Studies/Documents/Permits): WSP USA, Inc. - Consultant

Air Quality:

Is the project located in an Ozone Non-attainment area? ☒ No ☐ Yes
Is a Carbon Monoxide hotspot analysis required? ☒ No ☐ Yes

Water Quality & MS4: *No.*

Environmental Comments and Information:

NEPA/GEPA: *The reduced footprint of the project is anticipated to minimize impacts on the surrounding community and environmental resources. The environmental document will account for project revisions.*

Ecology: *Updated survey boundary reduced based on reduced project limits. Previous ecology studies were conducted utilizing larger Environmental Survey Boundary (ESB). No new unsurveyed areas are anticipated to occur within the updated ESB. Reports will be updated to account for project changes. Section 404 permit and stream buffer impacts are anticipated to be reduced.*

Archeology: *Updated survey boundary reduced based on reduced project limits. Previous archeology studies were conducted utilizing larger Environmental Survey Boundary (ESB). A few new unsurveyed areas are anticipated to occur within the updated ESB. Reports will be updated to account for project changes.*

History: *Updated survey boundary reduced based on reduced project limits. Previous history studies were conducted utilizing larger Area of Potential Effects (APE), including areas of physical and visual impacts. No new unsurveyed areas are anticipated to occur within the updated APE. Reports will be updated to account for project changes.*

Air Quality: *The reduced footprint of the project is not anticipated to create areas (i.e. intersections) where increased emissions would occur due to idling vehicles. An updated air report will be produced to account for project changes*

Noise Effects: *Yes. Altering the footprint of the project warrants a reevaluation of noise effects for the proposed footprint. An updated noise assessment will be produced to account for project changes.*

Public Involvement: *Yes. A series of PIOH meetings were held for this project the first on February 21 2008, the second on March 27 2008, a third was held on May 16 2013. A Public Hearing Open House (PHOH) will be held to present the project changes and draft Environmental Assessment (EA) to the public.*

PROJECT COST AND ADDITIONAL INFORMATION

	PE Activities		ROW	Reimbursable Utilities	CST*	Total Cost
	PE Funding	Section 404 Mitigation				
Date of Estimate:	3/9/2020	11/20/20	4/30/2020	3/31/2020		
Funded By:	Federal/State	State	Federal/State	Federal/State	Federal/State	
Programmed Cost:	\$4,164,738.29		\$3,154,730.60	\$2,873,065.56	\$38,643,659.63	\$48,836,194.08
Estimated Cost:	\$4,164,738.29	\$33,148.00	\$2,653,000.00	\$2,551,200.00	\$29,554,637.28	\$38,956,723.57
Total Cost Difference:						-\$9,879,470.51

~OB

~OB

*CST Cost includes: Construction, Engineering and Inspection, Contingencies and Liquid AC Cost Adjustment.

Recommendation: Recommend that the proposed revision to the concept be approved for implementation.

Comments: None.

Attachments:

1. Location Map
2. Concept Layout(s)
3. Typical sections
4. Detailed Cost Estimate(s)
 - a. Construction including Engineering and Inspection and Contingencies
 - b. Revisions to Programmed Costs forms, & Liquid AC Cost Adjustment forms
 - c. Right of Way Cost Estimate
 - d. Utility Estimate
 - e. Mitigation Estimate
5. VE Letter

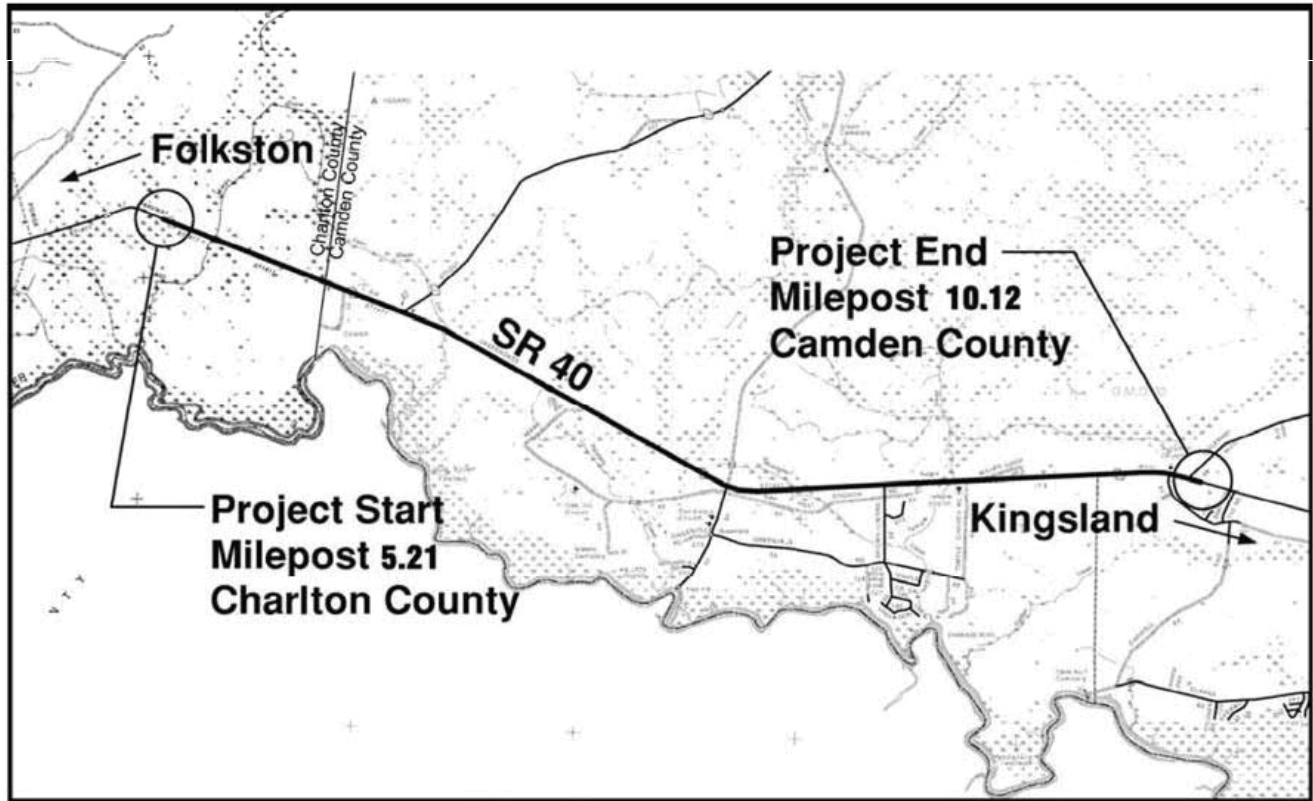
APPROVALS

Concur:  _____ 12-29-2020
Director of Engineering Date

Approve: _____ 1/4/2021
Chief Engineer Date

Project Number: STP00-0000-00(820)
P. I. Number: 0000820
County: Charlton/Camden

SITE LOCATION MAP

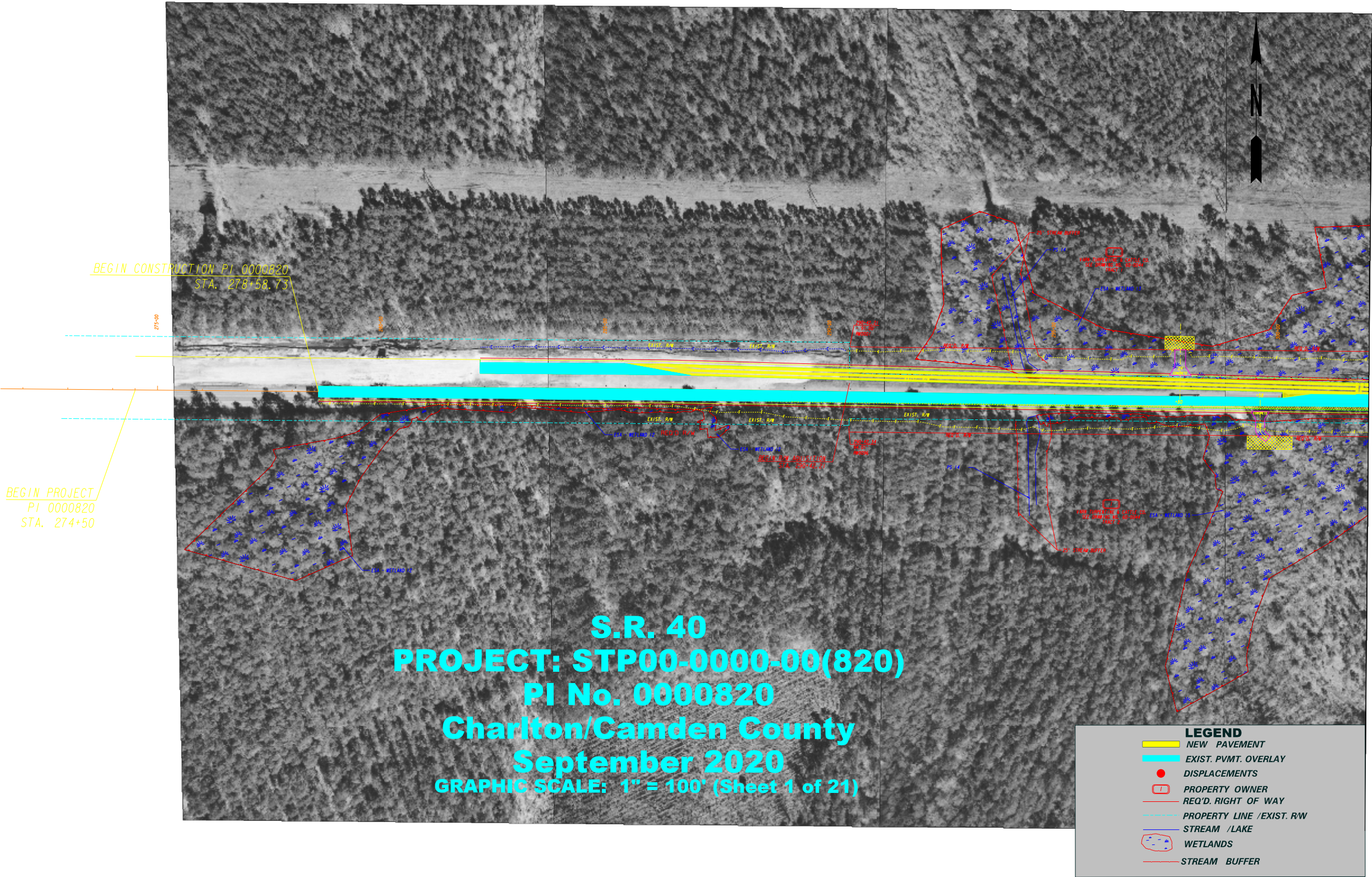


Scale: 1 inch = 2 mile

Location Map

Project: STP00-0000-00(820), Charlton/Camden County **PI No.:** 0000820

Description: SR 40 From MP 5.21 to East of Colerain Rd.



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

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GDOT

Georgia Department of Transportation

WSP

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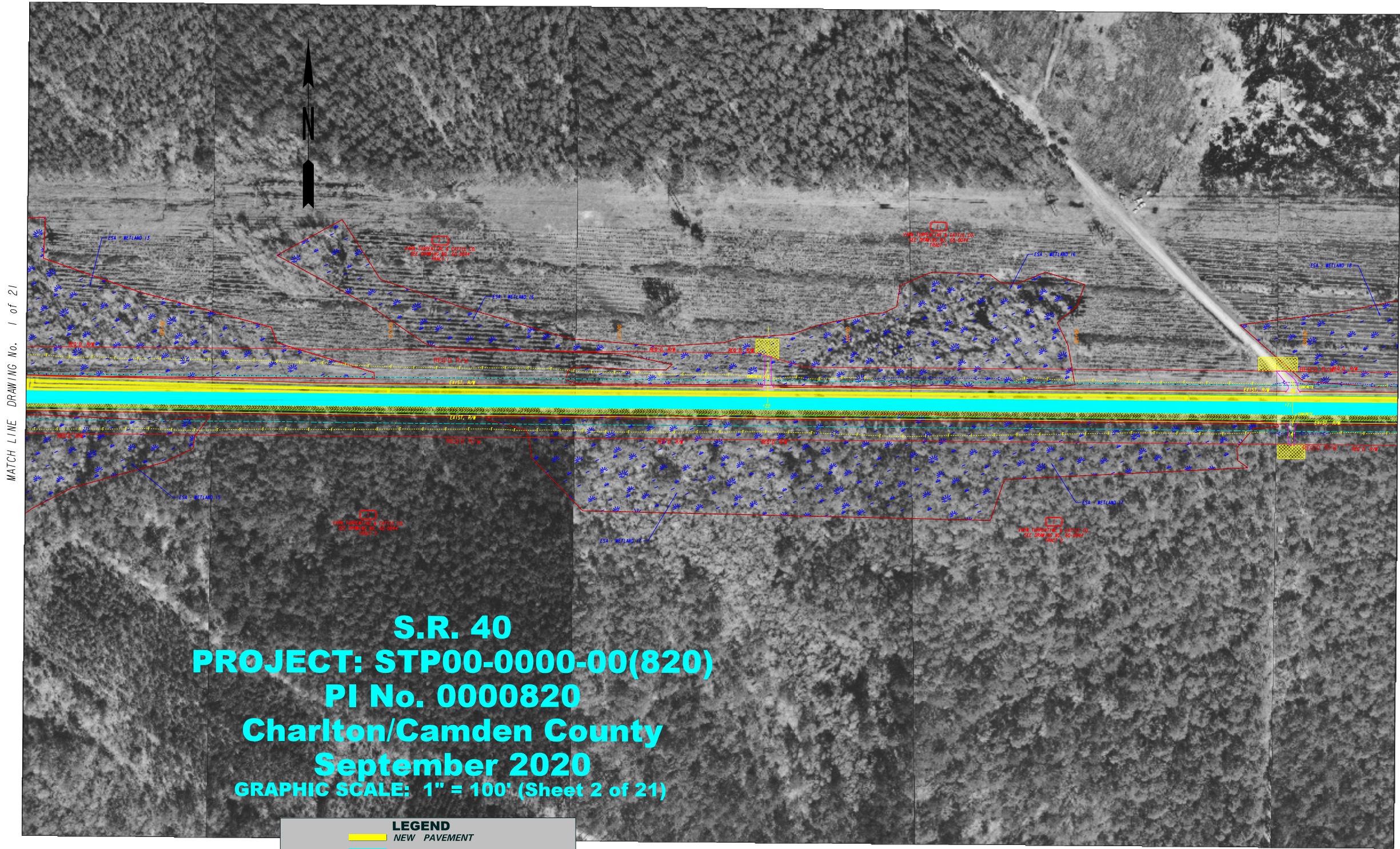
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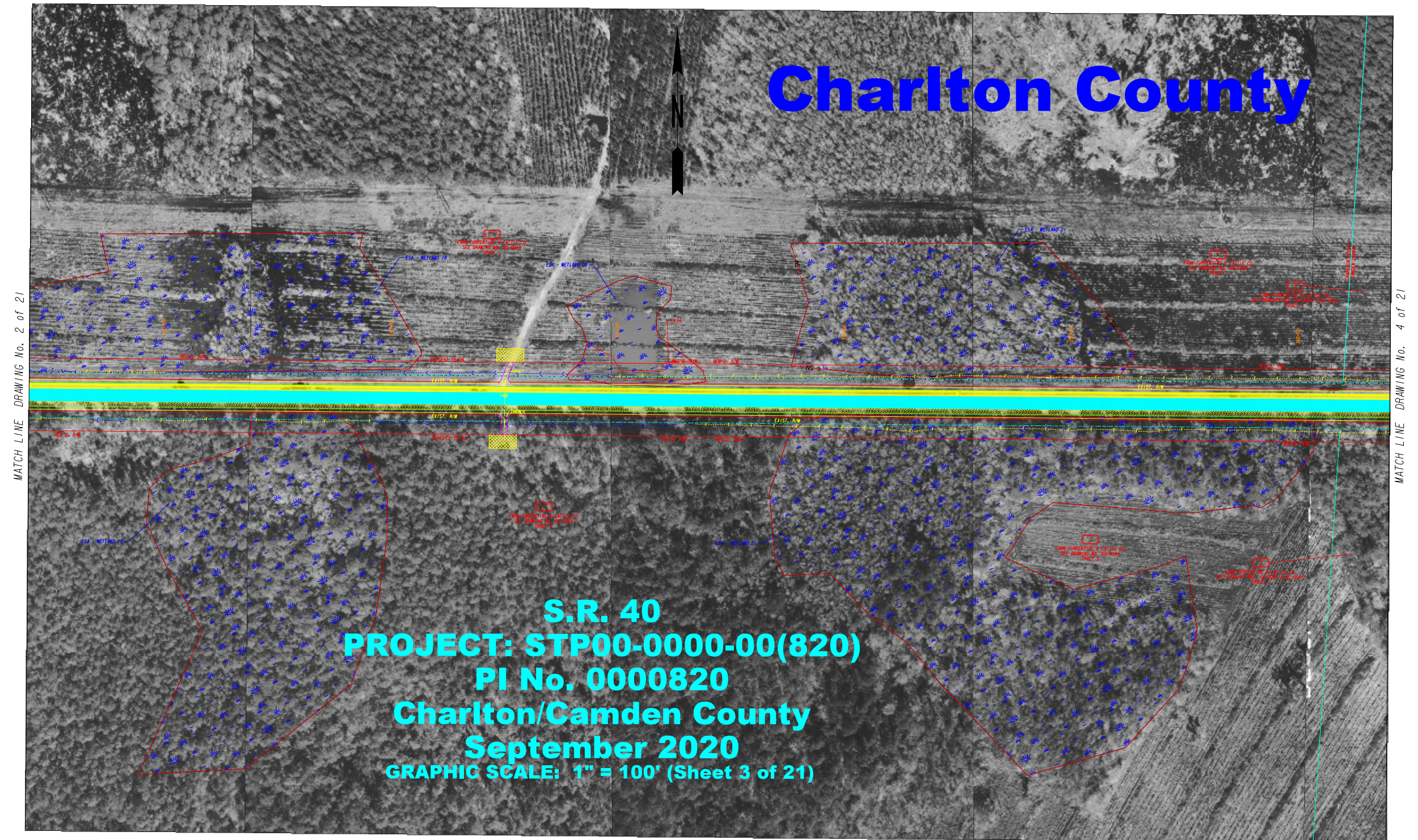
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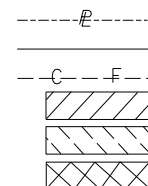
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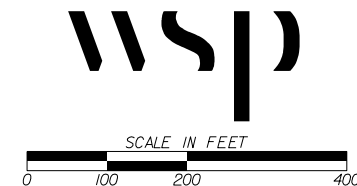
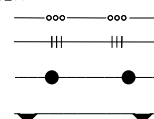




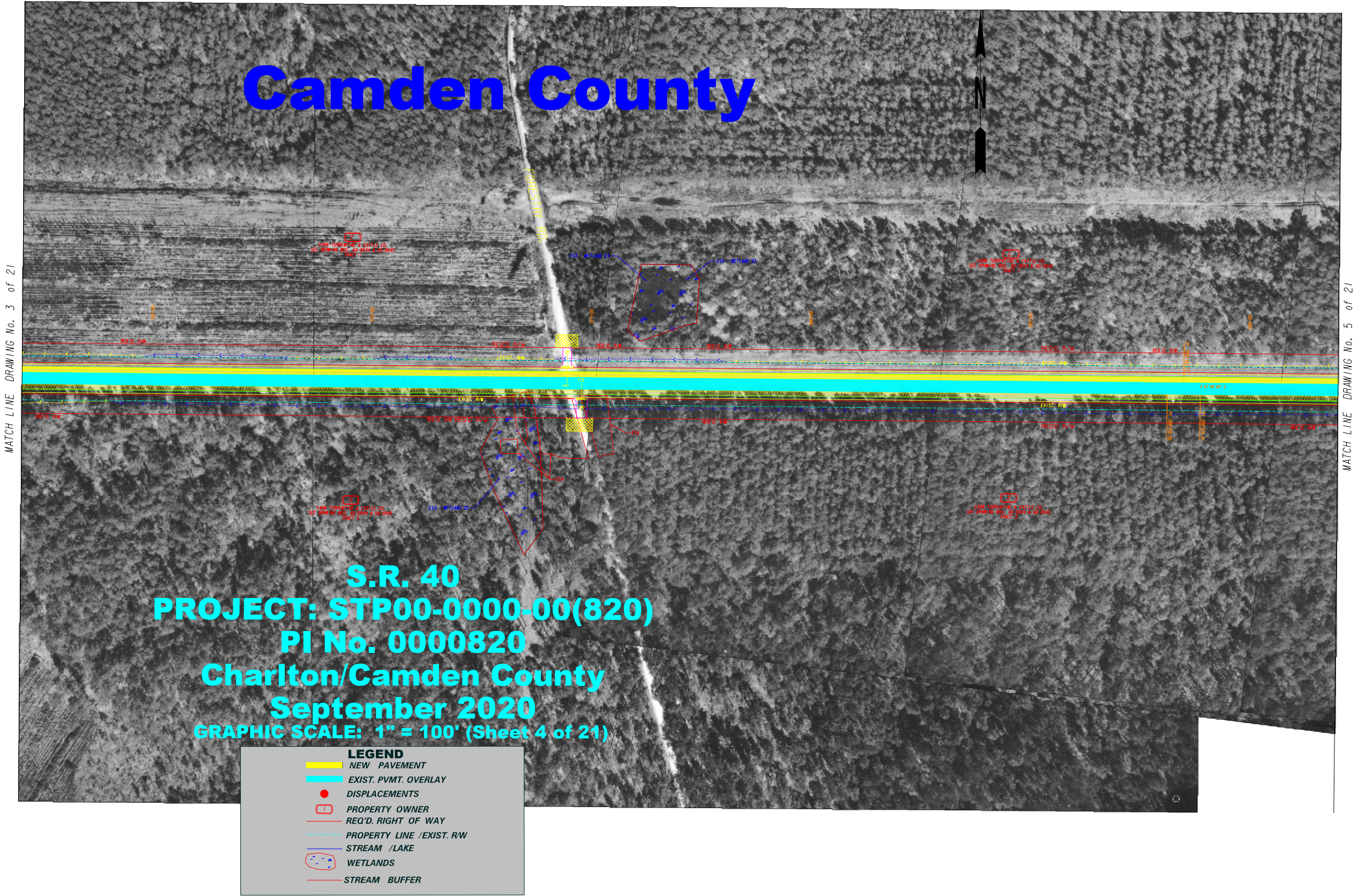
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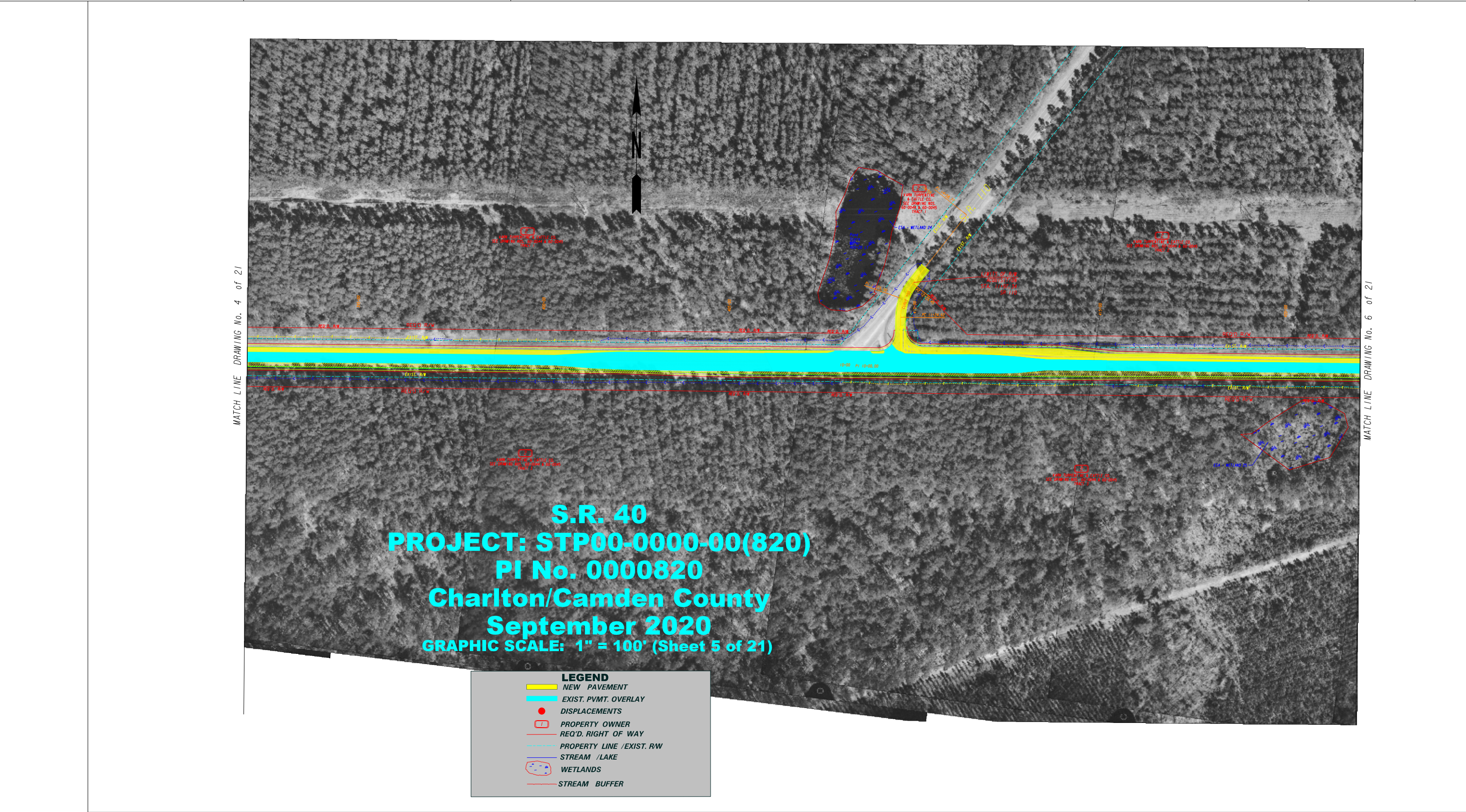


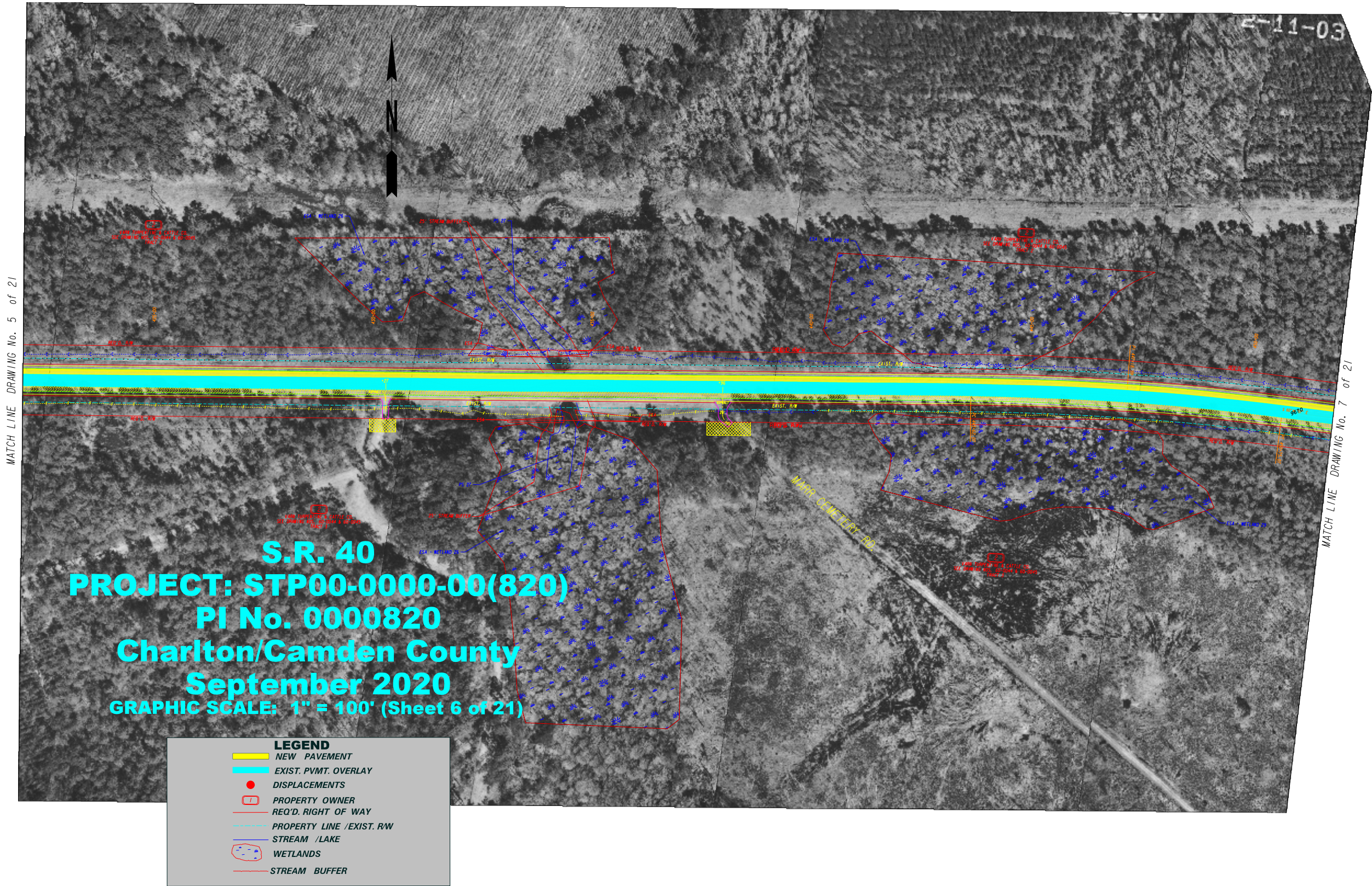
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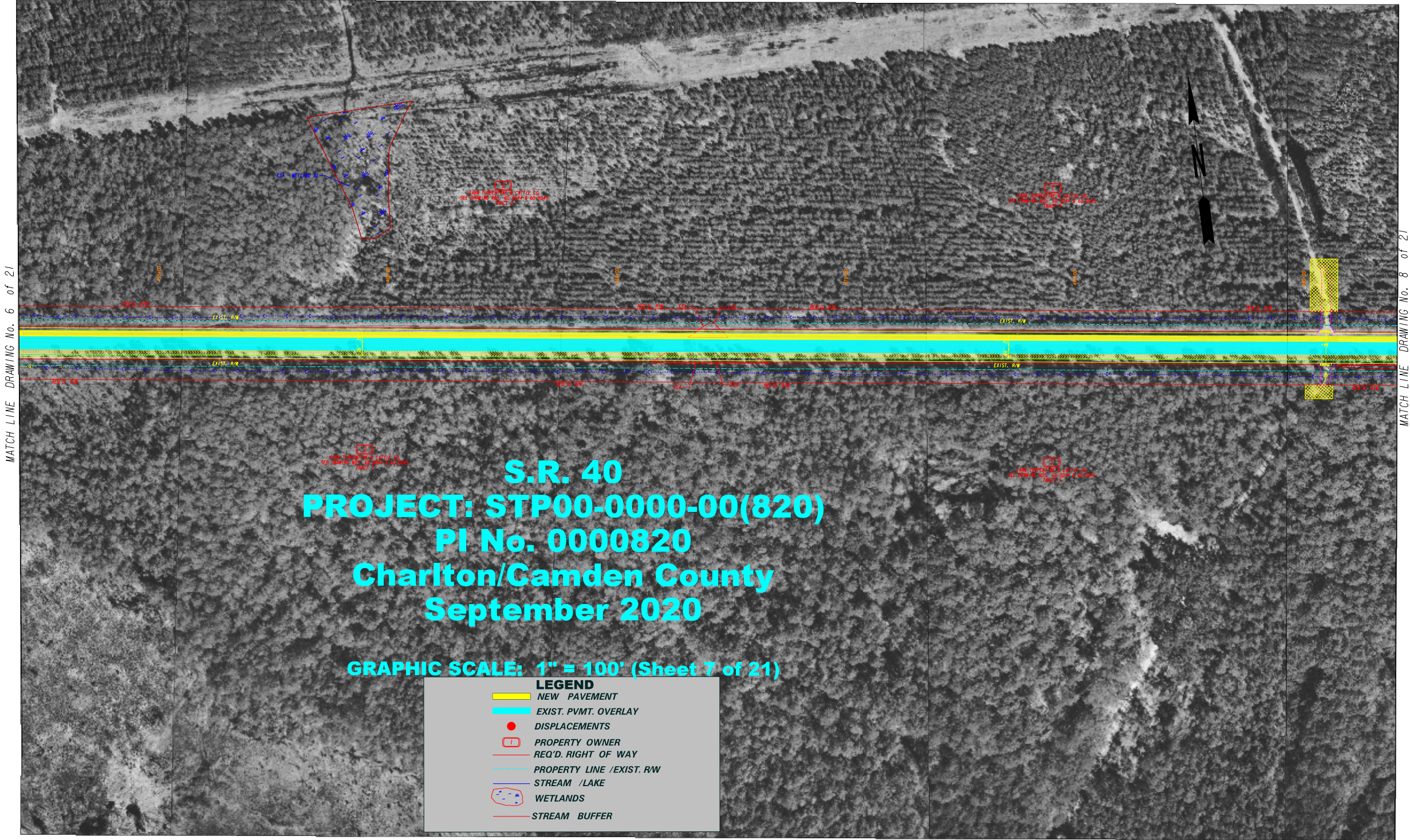


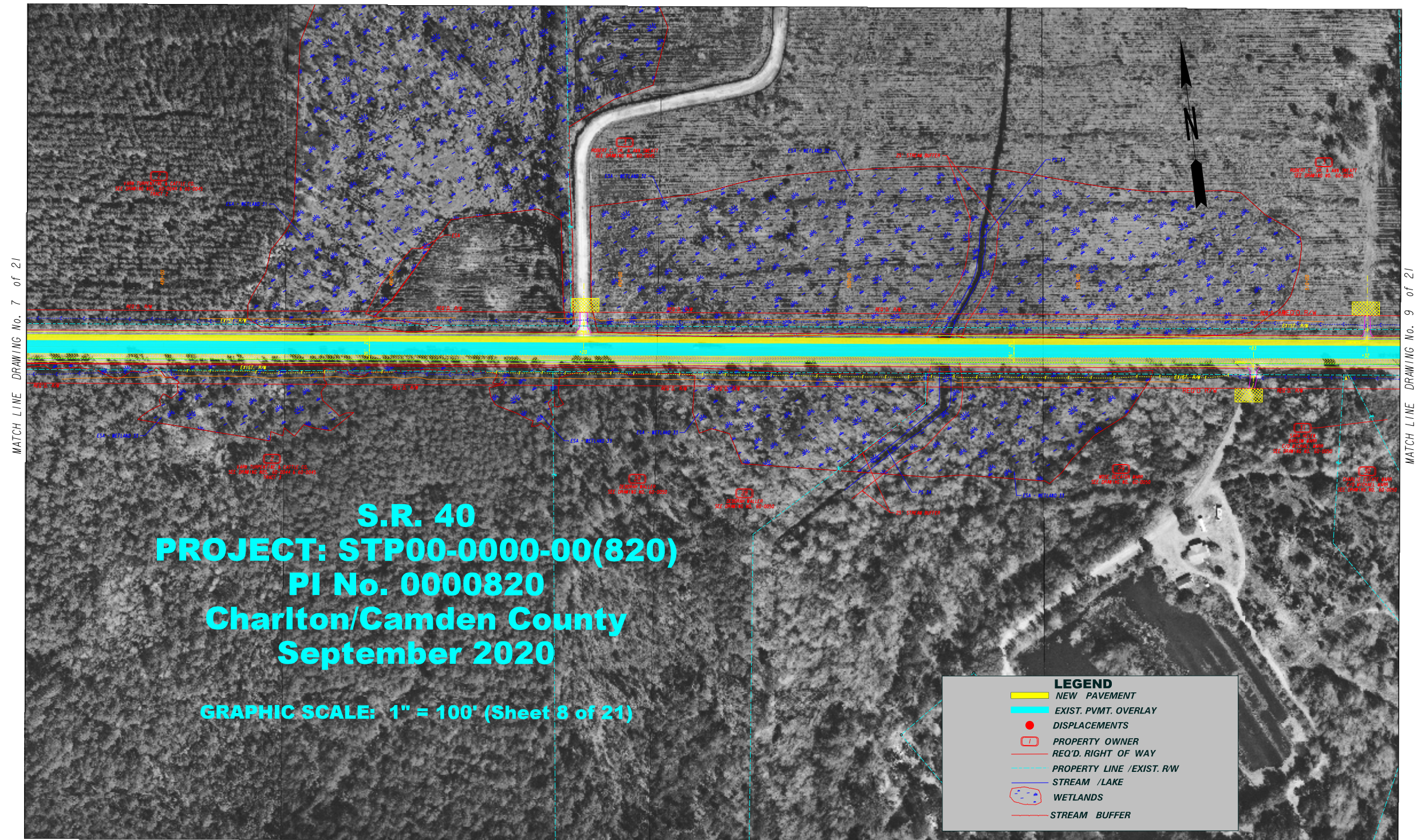
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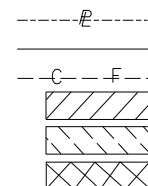




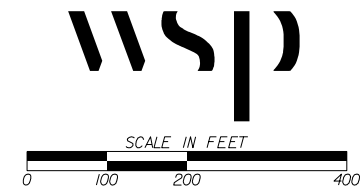
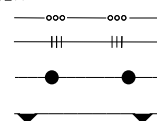




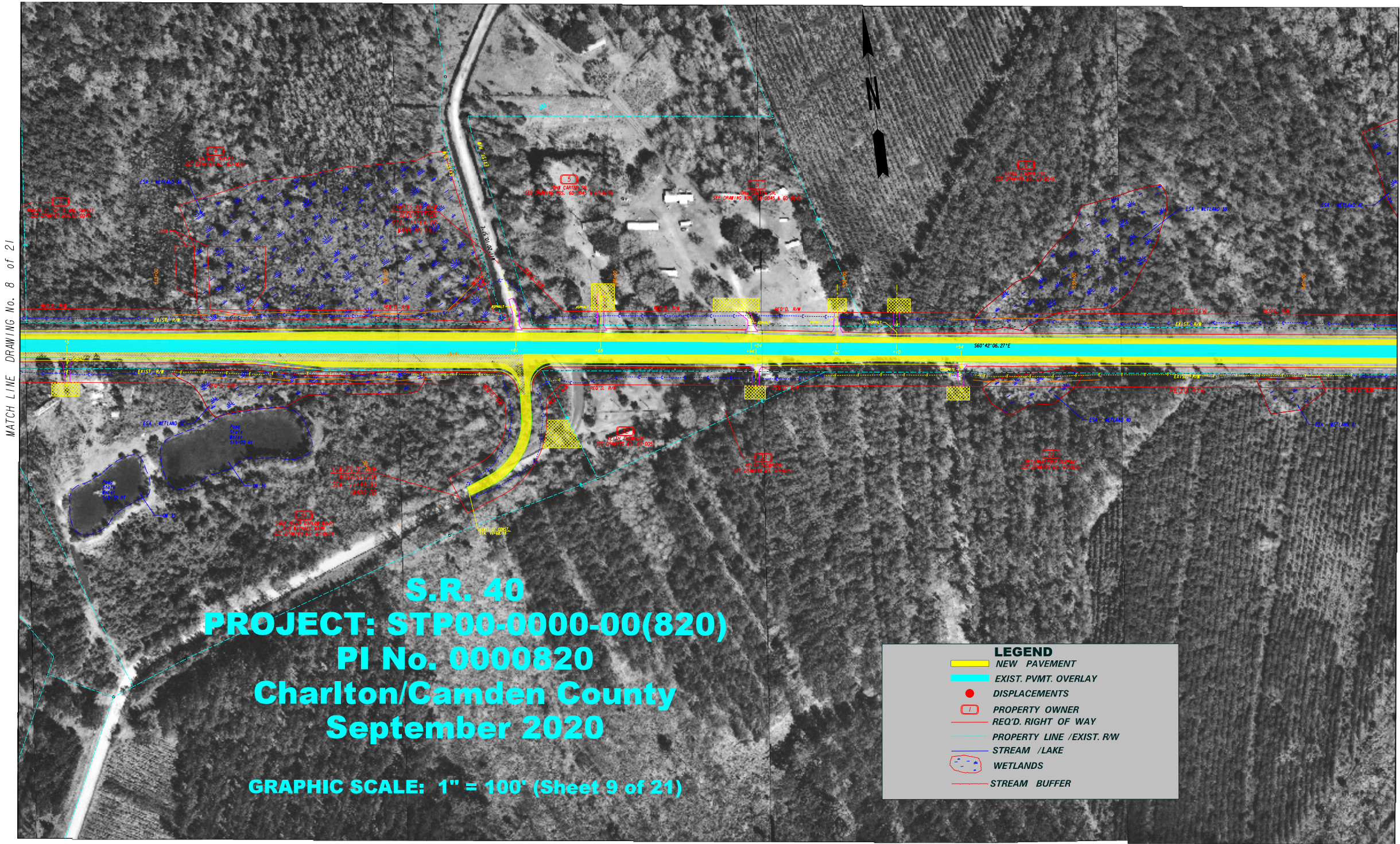
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

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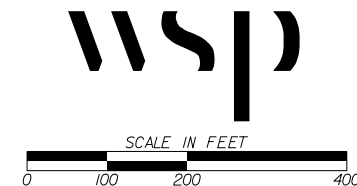




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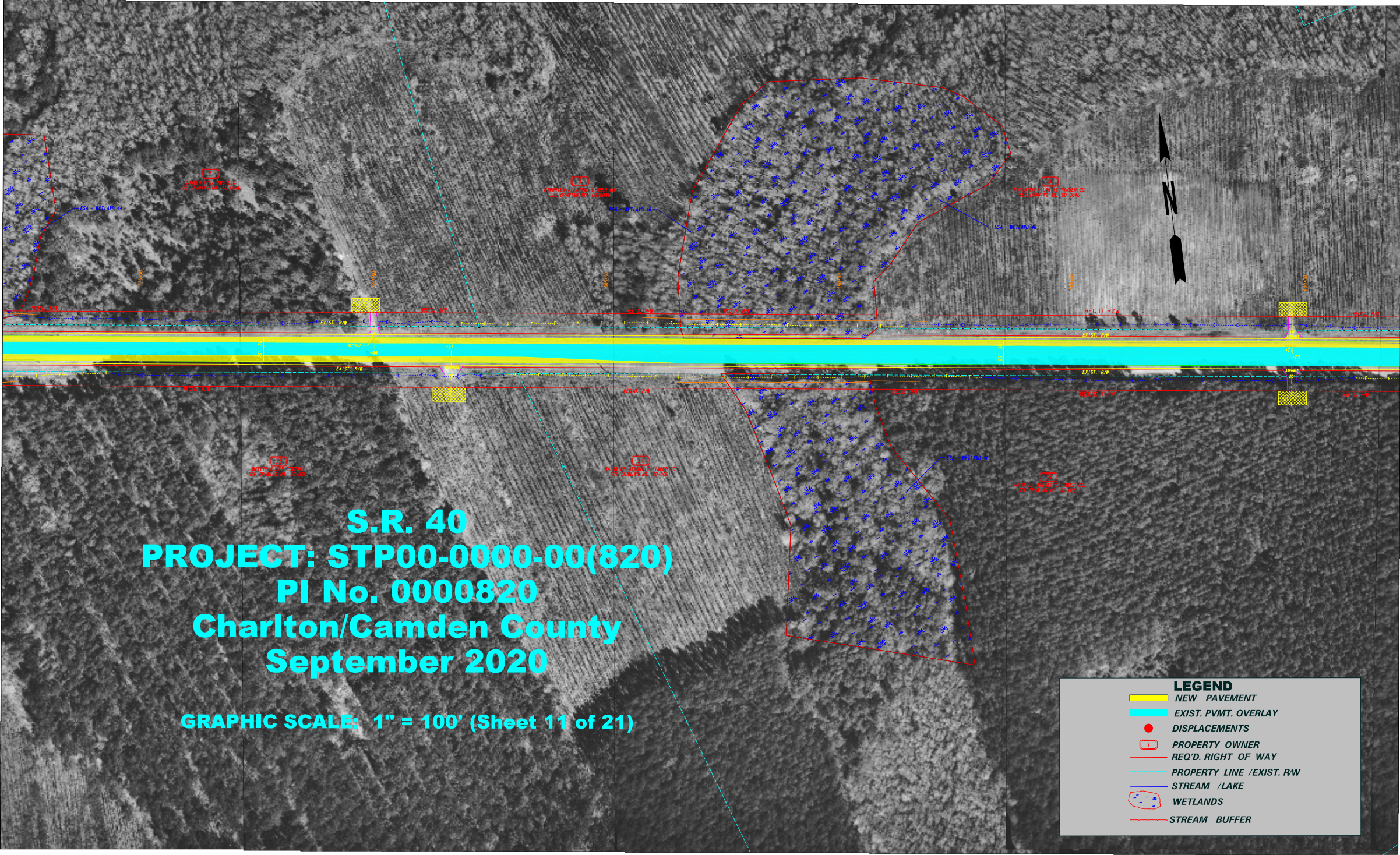
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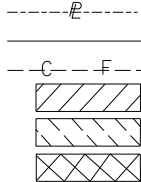
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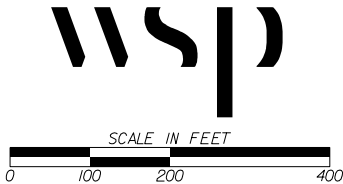
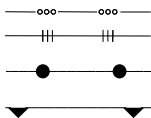


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PROPERTY AND EXISTING R/W LINE
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EASEMENT FOR CONSTR OF DRIVES



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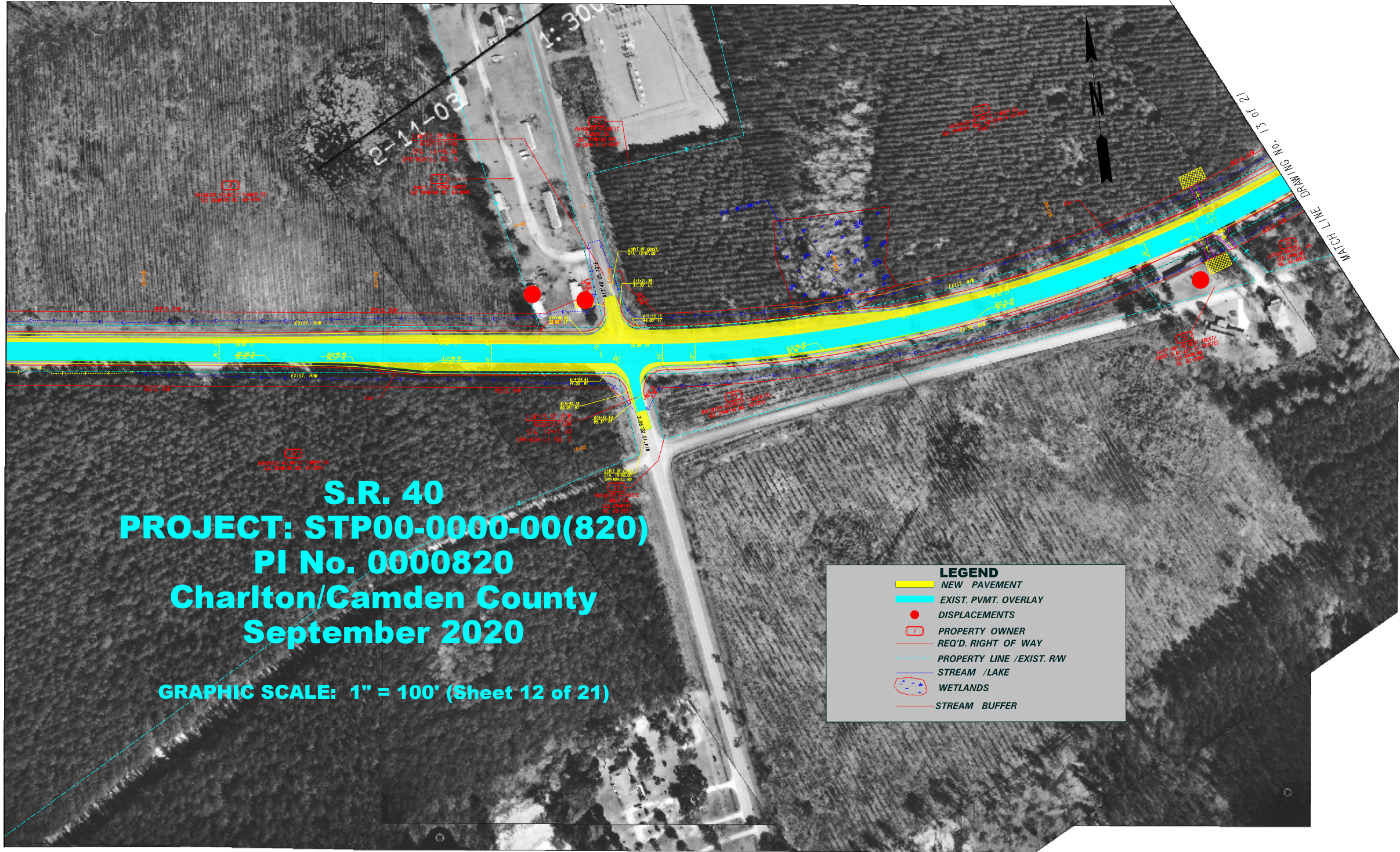
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CONCEPT PLAN

SR 40 WIDENING
CHARLTON/CAMDEN CO.

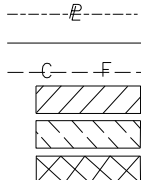
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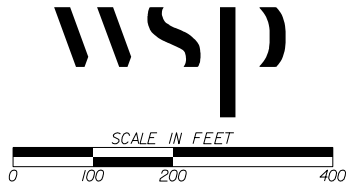
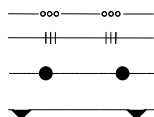


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 - WETLANDS
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PROPERTY AND EXISTING R/W LINE
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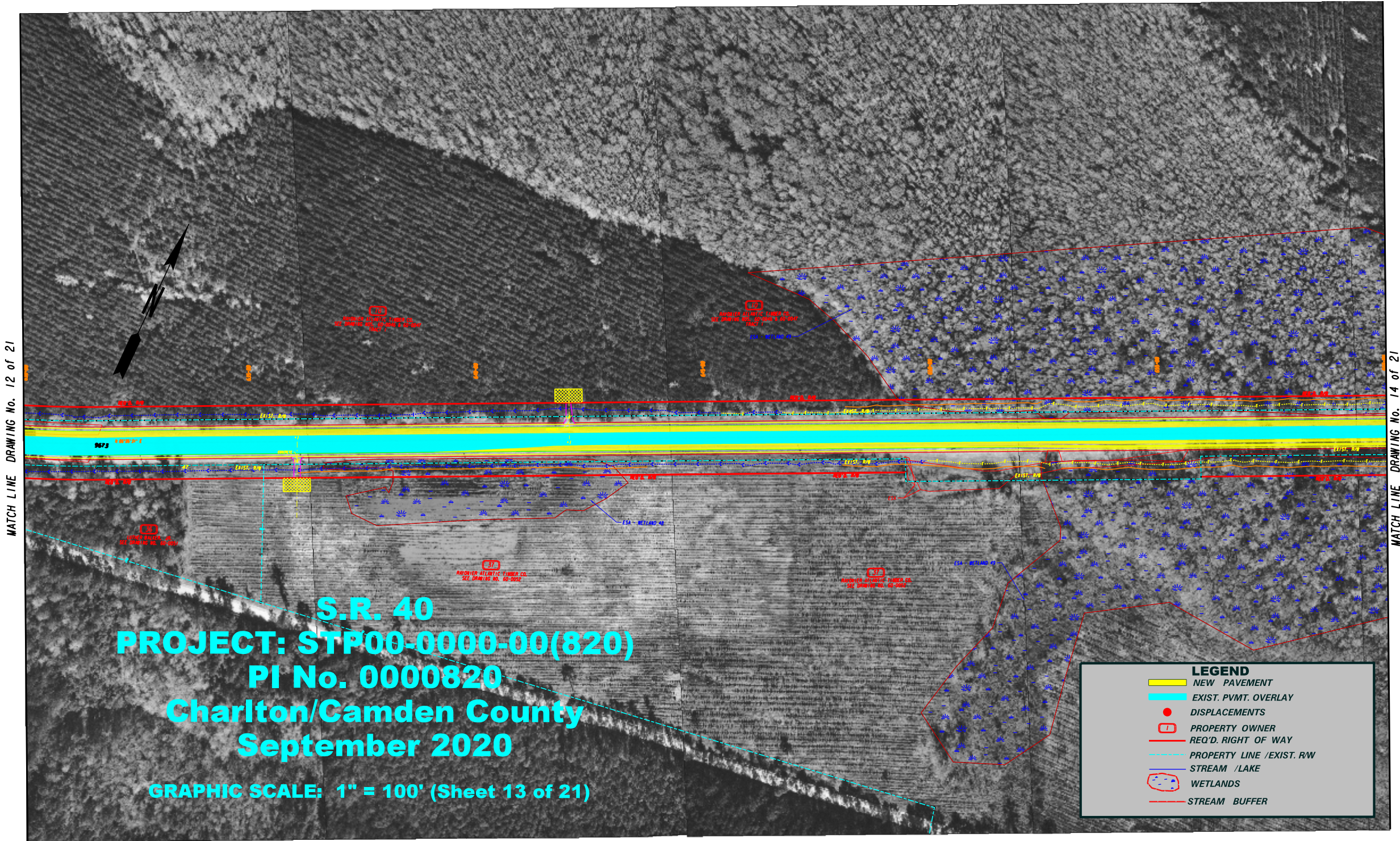


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GDOT

Georgia Department of Transportation

WSP

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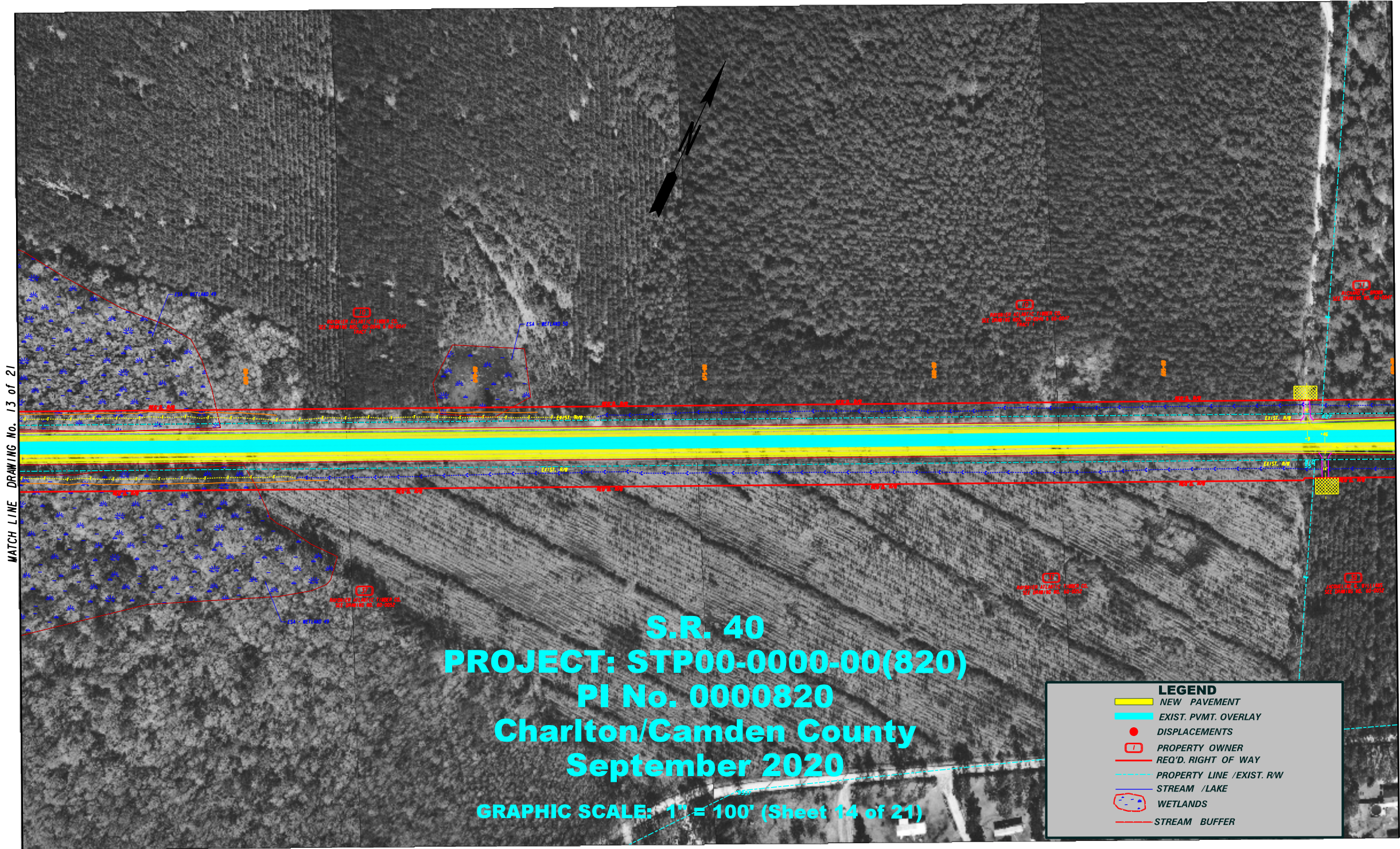
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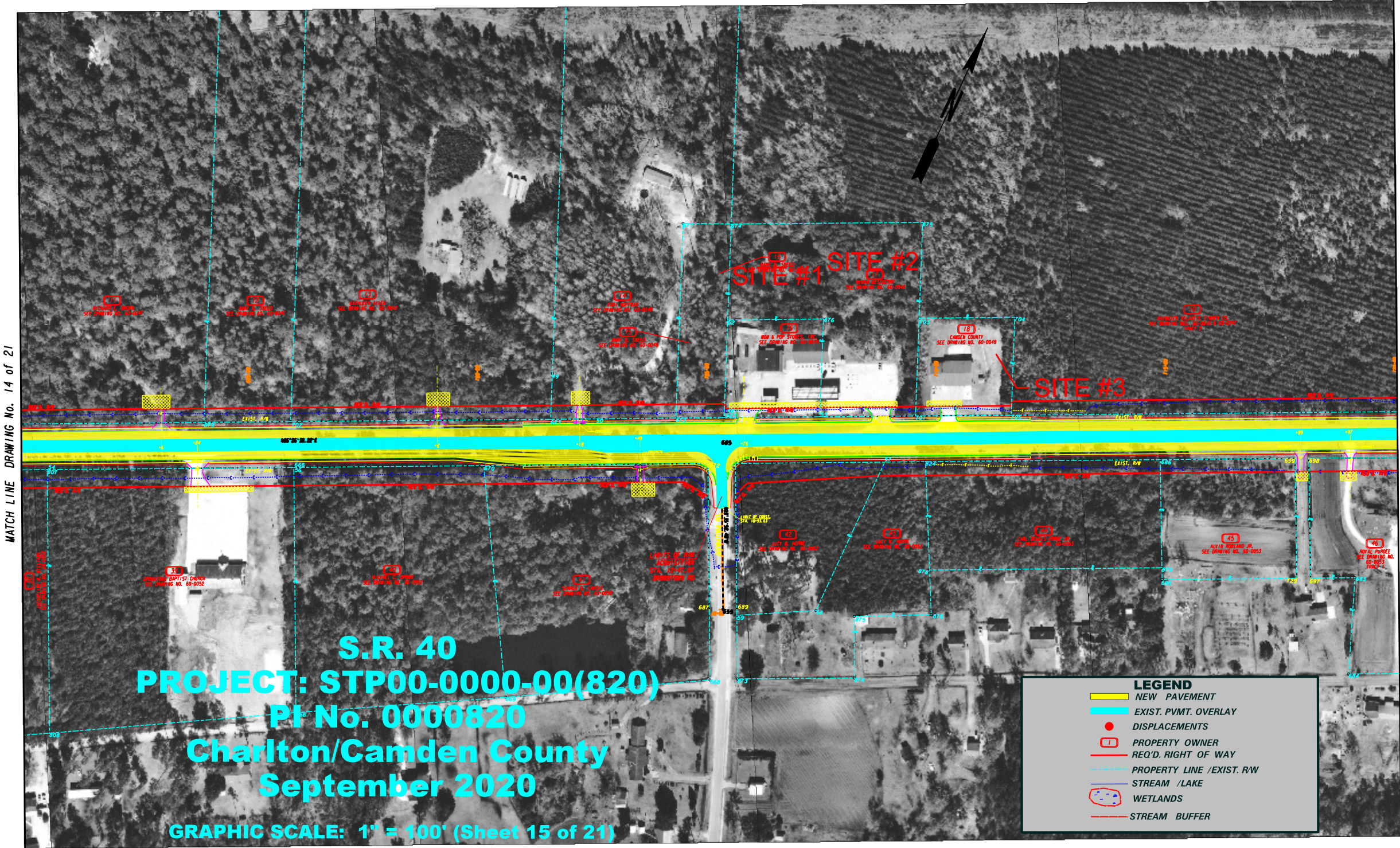
CONCEPT PLAN

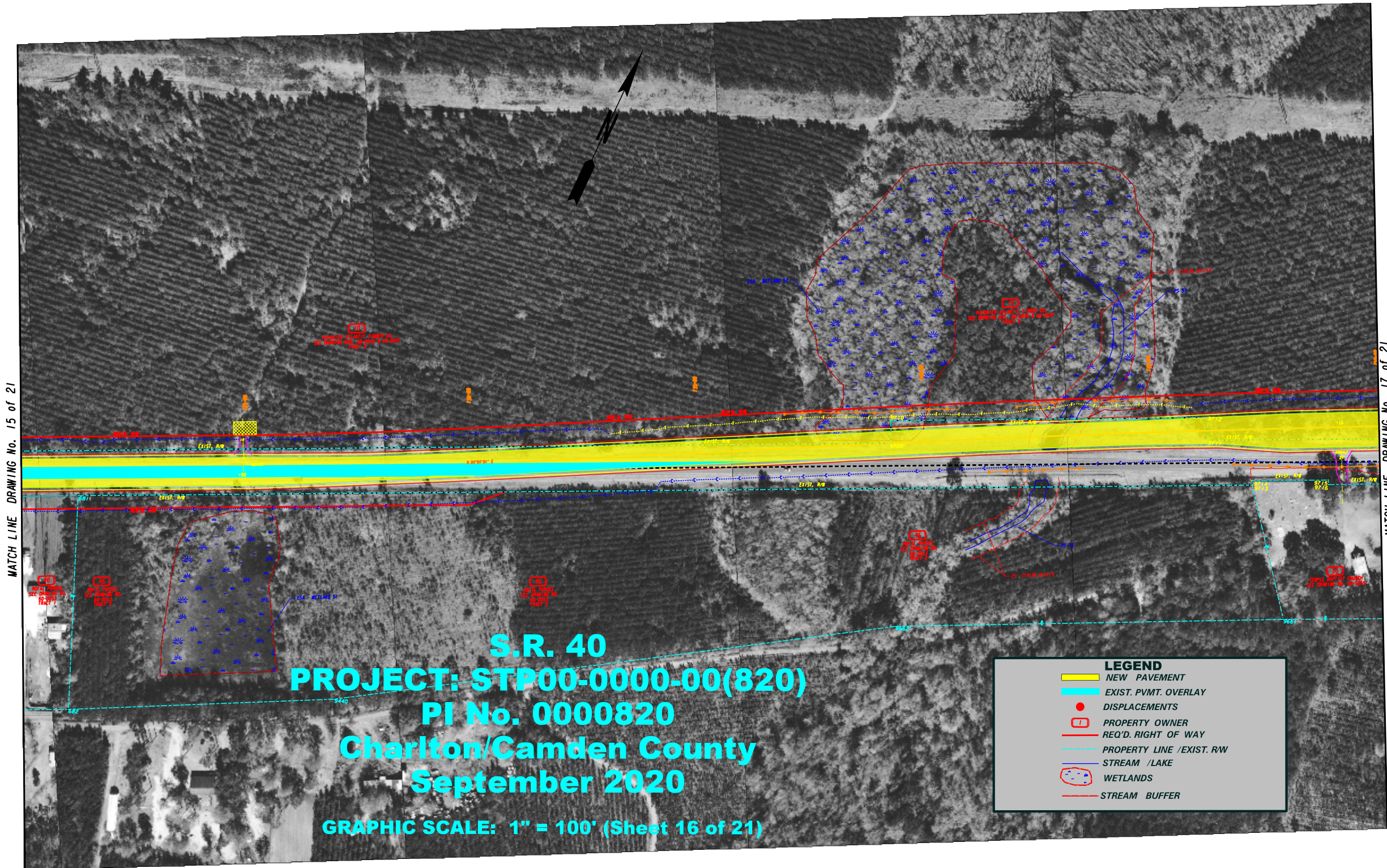
SR 40 WIDENING
CHARLTON/CAMDEN CO.

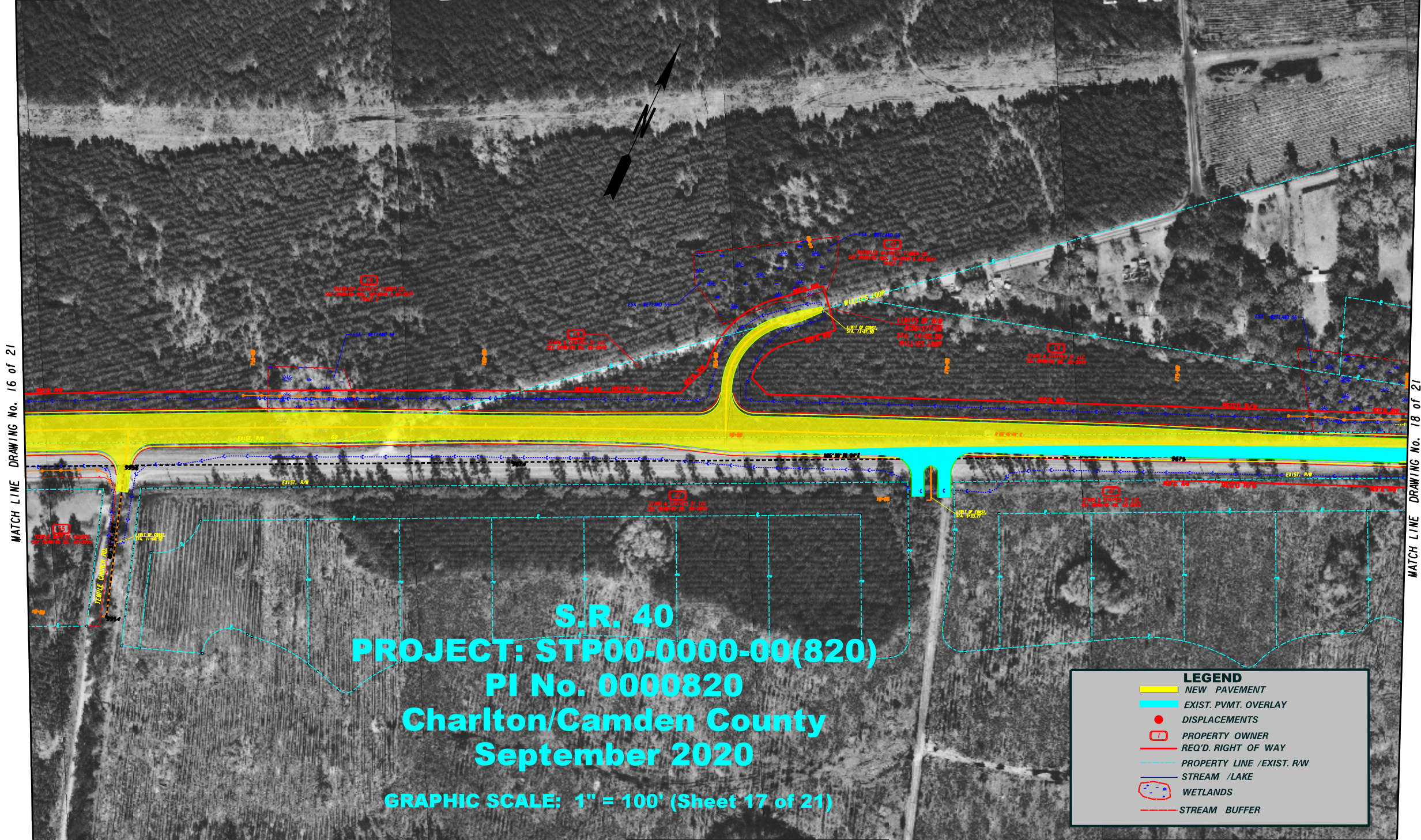
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VERIFIED:	DATE: / /	

7/31/2015 GPLN









PROPERTY AND EXISTING R/W LINE

REQUIRED R/W LINE

CONSTRUCTION LIMITS

EASEMENT FOR CONSTR

& MAINTENANCE OF SLOPES

EASEMENT FOR CONSTR OF SLOPES

EASEMENT FOR CONSTR OF DRIVES

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BEGIN LIMIT OF ACCESS.....BLA

END LIMIT OF ACCESS.....ELA

LIMIT OF ACCESS

REQ'D R/W & LIMIT OF ACCESS

ORANGE BARRIER FENCE

ESA - ENV. SENSITIVE AREA

(SEE ERIT TABLE)

GDOT

Georgia Department of Transportation

WSP

SCALE IN FEET

0 100 200 400

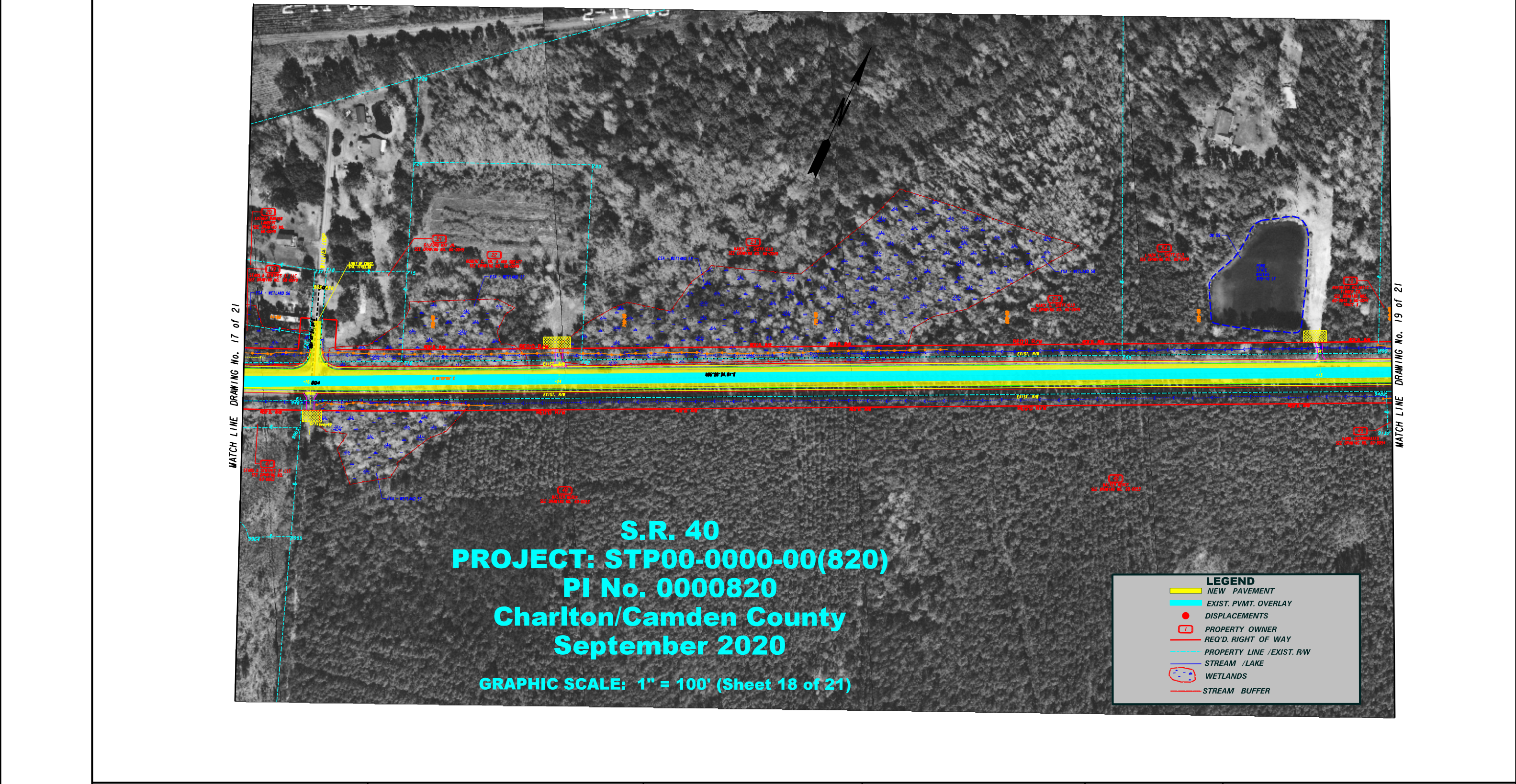
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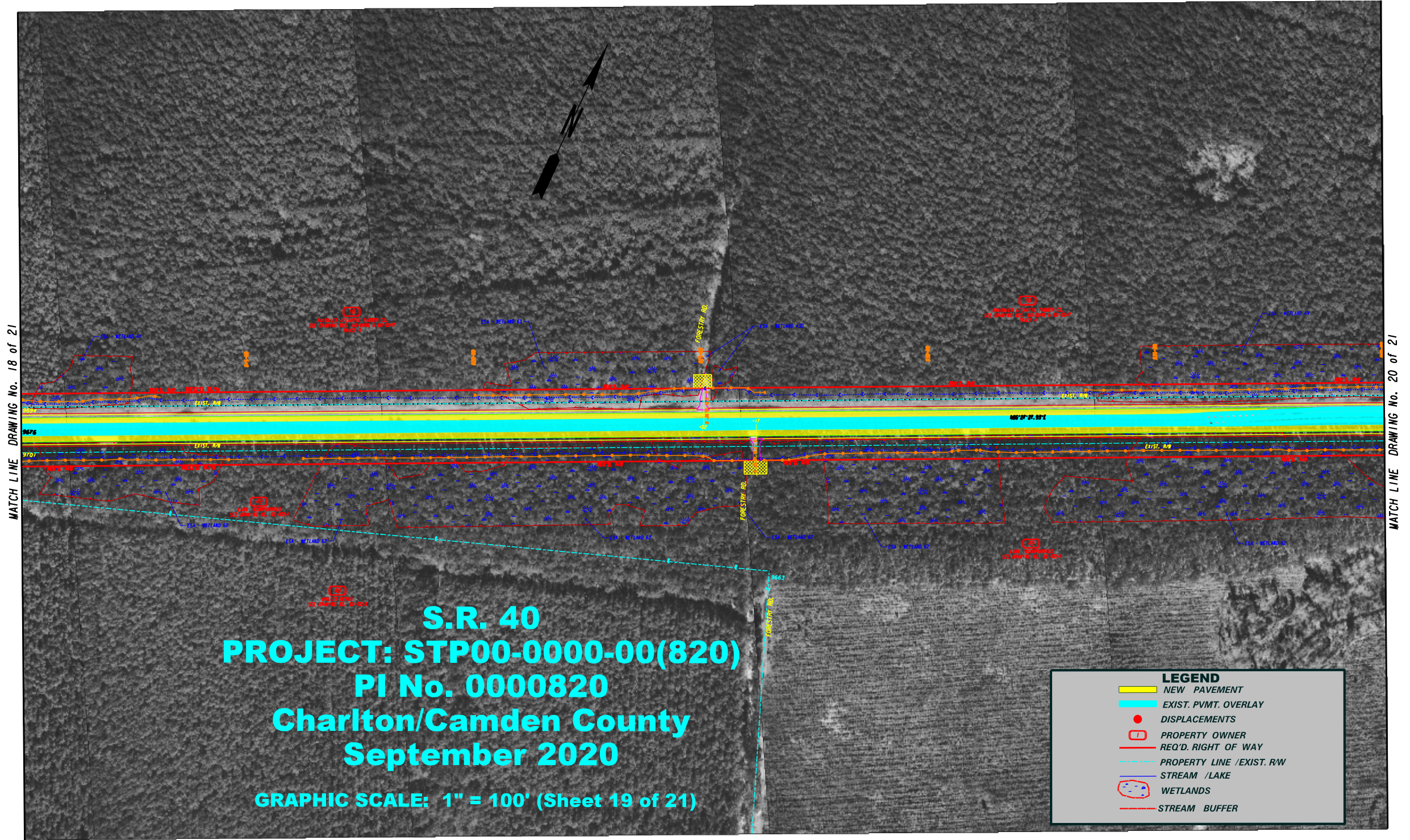
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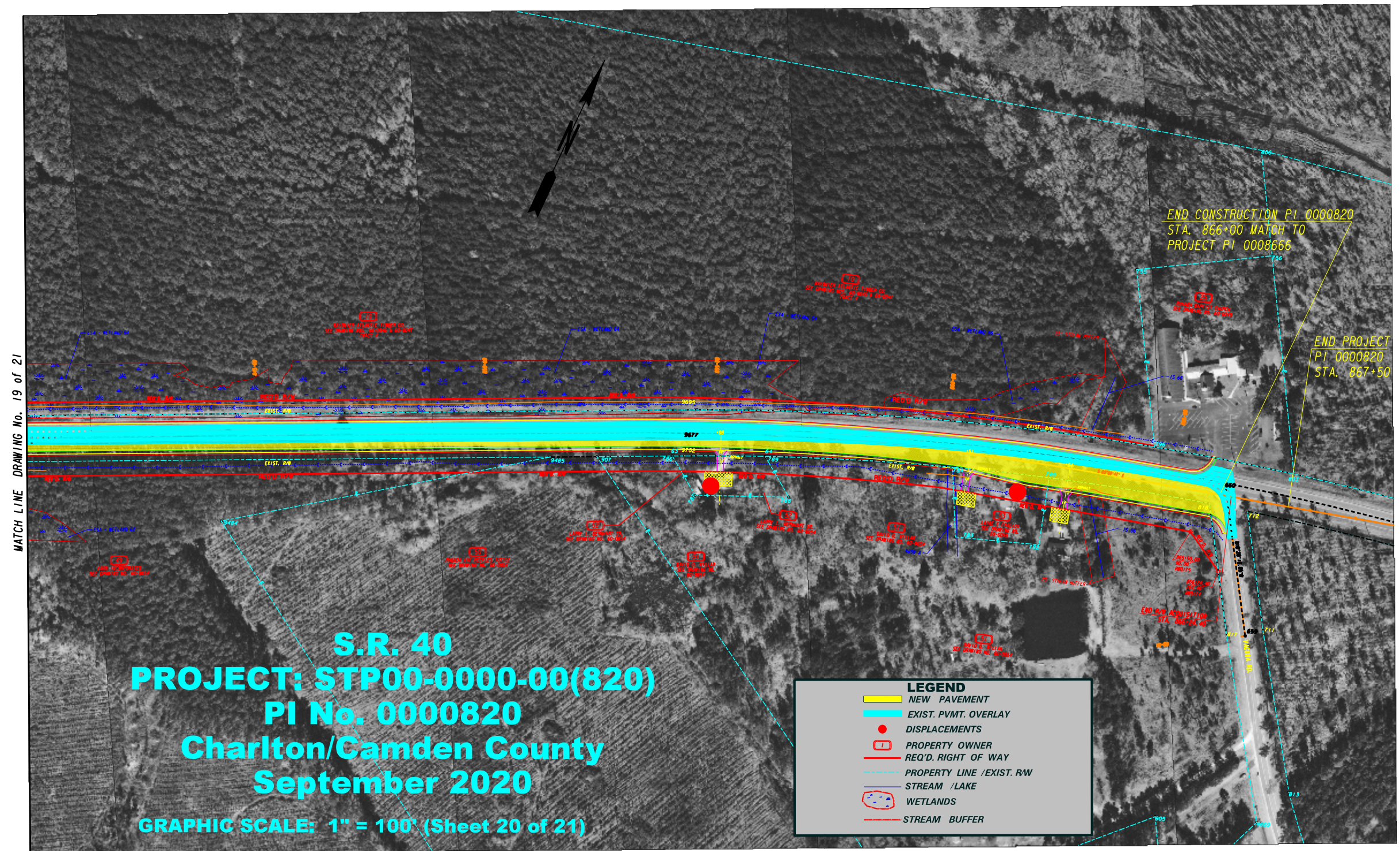
SR 40 WIDENING
CHARLTON/CAMDEN CO.

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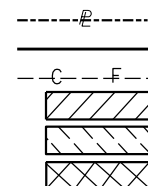
17 OF 21



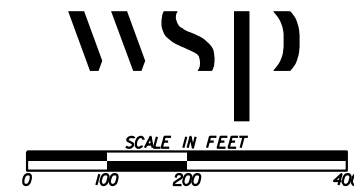
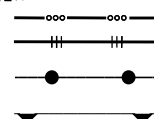




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES



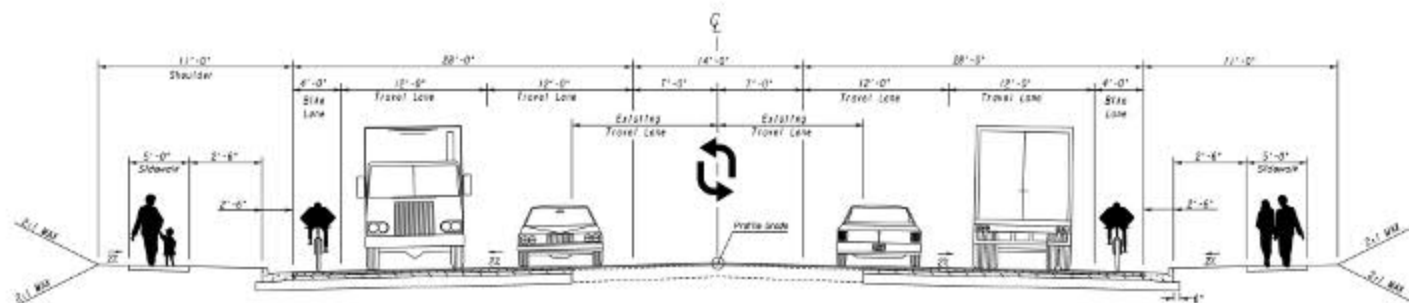
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END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS —
REQ'D R/W & LIMIT OF ACCESS —
ORANGE BARRIER FENCE —
ESA - ENV. SENSITIVE AREA —
(SEE ERIT TABLE)

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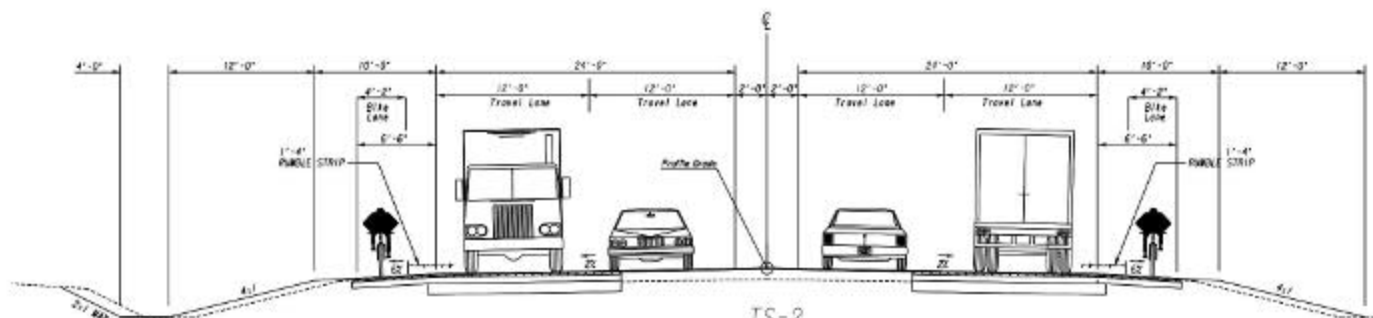
CONCEPT PLAN

SR 40 WIDENING
CHARLTON/CAMDEN CO.

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TS-1
Typical Section Through Brownstown Community
Urban 5-Lane 14' Flush Median
With Bike Lanes
2 to 4 Symmetrical
(45MPH D.S.)
Tangent

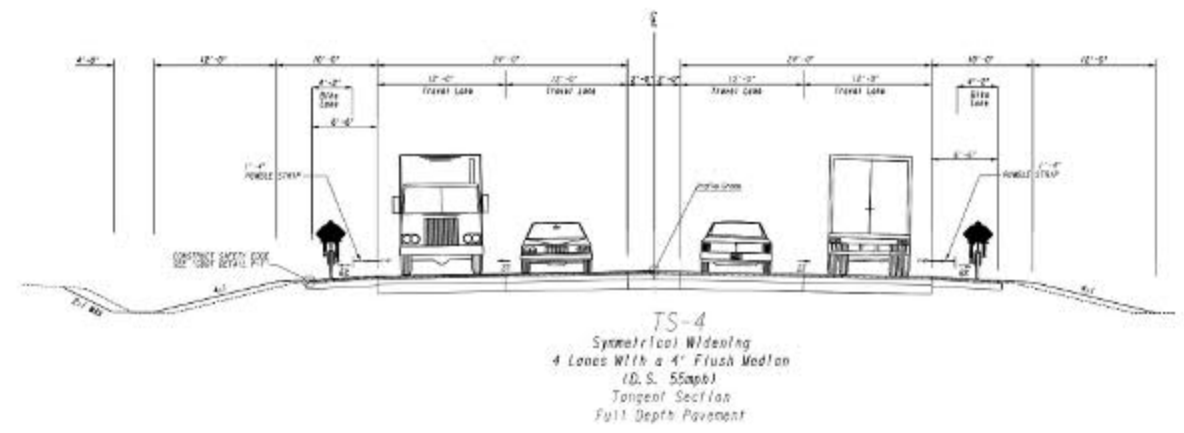
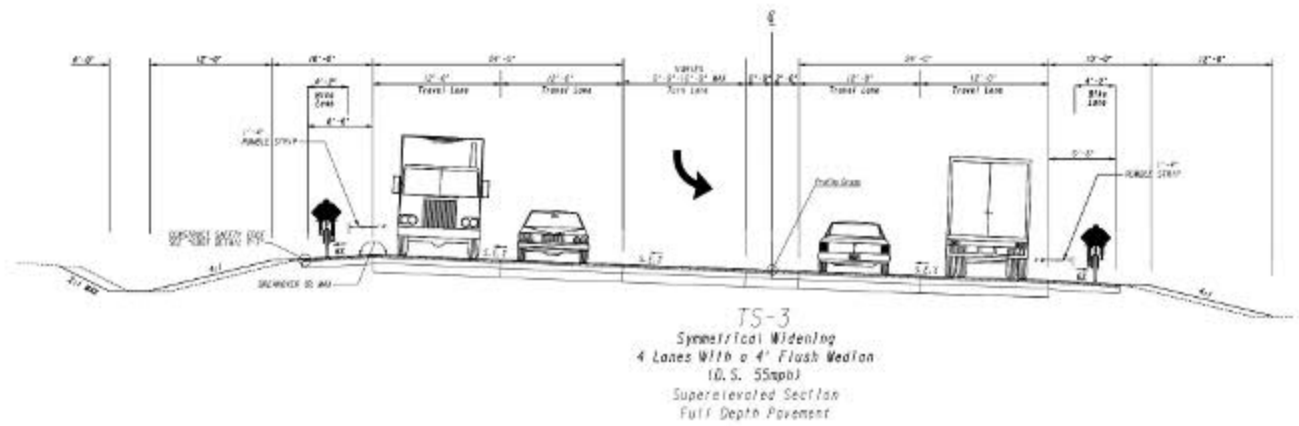


TS-2
Symmetrical Widening
4 Lanes With a 4' Flush Median
(D.S. 55mph)
NORMAL CROWN

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE:

TYPICAL SECTIONS



Project Cost Estimate

Concept Name: 0000820 Cost Estimate Name: 0000820

Projects Cost Estimate

Processed on: Dec-09-2020 12:39 PM

CONCEPT NAME: 0000820 **COST ESTIMATE NAME:** 0000820
SPEC YEAR: 13
ITEM HISTORY: BHP-ALL - Statewide - 24 months
DESCRIPTION: SR 40 FROM MP 5.21 TO EAST OF COLERAIN RD, Charlton/Camden Counties
ESTIMATE PHASE: 2-DE - Designers Estimate

ITEMS FOR CONCEPT NAME 0000820

0110 - 4-foot flush

Line Number	Item	Quantity	Units	Price	Description	Amount
320	310-5060	86366.00	SY	\$11.08	GR AGGR BASE CRS, 6 INCH, INCL MATL	\$956,884.32
325	310-5100	186350.00	SY	\$18.15	GR AGGR BASE CRS, 10 INCH, INCL MATL	\$3,382,310.27
330	318-3000	3500.00	TN	\$32.38	AGGR SURF CRS	\$113,329.68
335	402-1812	7690.00	TN	\$79.89	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	\$614,338.41
340	402-3103	39391.00	TN	\$71.35	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, TYPE II, GP 2 ONLY, INCL BITUM MATL & H LIME	\$2,810,539.58
345	402-3121	30200.00	TN	\$73.41	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	\$2,217,017.94
350	402-3190	29633.00	TN	\$71.27	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	\$2,111,825.97
355	413-0750	33237.00	GL	\$0.78	TACK COAT	\$26,084.40
360	432-0204	227810.00	SY	\$5.80	MILL ASPH CONC PVM, 1 IN DEPTH	\$1,321,298.00
375	446-1100	11600.00	LF	\$3.19	PVMT REINF FABRIC STRIPS, TP 2, 18 INCH WIDTH	\$36,963.63
380	456-2015	36.00	GLM	\$411.40	INDENTATION RUMBLE STRIPS - GROUND-IN-PLACE (SKIP)	\$14,810.39
4-foot flush Total						\$13,605,402.59

0200 - 4 foot flush

Line Number	Item	Quantity	Units	Price	Description	Amount
315	207-0203	7300.00	CY	\$63.63	FOUND BKILL MATL, TP II	\$464,492.43
385	500-3002	1413.51	CY	\$768.01	CLASS AA CONCRETE	\$1,085,594.15
390	500-3200	5.00	CY	\$670.20	CLASS B CONCRETE	\$3,350.98
395	511-1000	145397.40	LB	\$0.92	BAR REINF STEEL	\$133,057.52
400	550-1180	700.00	LF	\$50.88	STORM DRAIN PIPE, 18 IN, H 1-10	\$35,613.23
405	550-1240	200.00	LF	\$60.03	STORM DRAIN PIPE, 24 IN, H 1-10	\$12,005.91
410	550-1300	150.00	LF	\$83.90	STORM DRAIN PIPE, 30 IN, H 1-10	\$12,585.43
415	550-1421	125.00	LF	\$85.00	STORM DRAIN PIPE, 42 IN, H 10-15	\$10,625.00
420	550-2180	150.00	LF	\$42.69	SIDE DRAIN PIPE, 18 IN, H 1-10	\$6,403.64
425	550-2240	1200.00	LF	\$43.31	SIDE DRAIN PIPE, 24 IN, H 1-10	\$51,977.44
430	550-2300	290.00	LF	\$50.06	SIDE DRAIN PIPE, 30 IN, H 1-10	\$14,517.92
435	550-2360	500.00	LF	\$54.41	SIDE DRAIN PIPE, 36 IN, H 1-10	\$27,203.88
440	550-3618	6.00	EA	\$688.34	SAFETY END SECTION 18 IN, SIDE DRAIN, 6:1 SLOPE	\$4,130.06
445	550-3624	66.00	EA	\$857.54	SAFETY END SECTION 24 IN, SIDE DRAIN, 6:1 SLOPE	\$56,597.33
450	550-3630	4.00	EA	\$1,518.21	SAFETY END SECTION 30 IN, SIDE DRAIN, 6:1 SLOPE	\$6,072.84
455	550-3636	2.00	EA	\$1,571.00	SAFETY END SECTION 36 IN, SIDE DRAIN, 6:1 SLOPE	\$3,142.00
460	550-4218	10.00	EA	\$965.90	FLARED END SECTION 18 IN, STORM DRAIN	\$9,658.97
465	550-4224	2.00	EA	\$1,005.08	FLARED END SECTION 24 IN, STORM DRAIN	\$2,010.17
470	550-4230	2.00	EA	\$1,213.91	FLARED END SECTION 30 IN, STORM DRAIN	\$2,427.82
475	550-4236	1.00	EA	\$1,539.17	FLARED END SECTION 36 IN, STORM DRAIN	\$1,539.17
480	550-4242	4.00	EA	\$2,047.44	FLARED END SECTION 42 IN, STORM DRAIN	\$8,189.75
485	576-1015	450.00	LF	\$44.67	SLOPE DRAIN PIPE, 15 IN	\$20,103.66
490	603-2182	1500.00	SY	\$51.35	STN DUMPED RIP RAP, TP 3, 24 IN	\$77,018.64
495	603-7000	1500.00	SY	\$4.15	PLASTIC FILTER FABRIC	\$6,222.81
500	610-9099	1.00	LS	\$2,400.00	REM WINGWALLS & PARAPETS, STA - 863+01	\$2,400.00
505	610-9099	1.00	LS	\$2,400.00	REM WINGWALLS & PARAPETS, STA - 589+89	\$2,400.00
510	610-9099	1.00	LS	\$2,400.00	REM WINGWALLS & PARAPETS, STA - 488+18	\$2,400.00
515	610-9099	1.00	LS	\$2,400.00	REM WINGWALLS & PARAPETS, STA - 742+91	\$2,400.00
520	610-9099	1.00	LS	\$2,400.00	REM WINGWALLS & PARAPETS, STA - 652+65	\$2,400.00
525	610-9099	1.00	LS	\$2,400.00	REM WINGWALLS & PARAPETS, STA - .602+68	\$2,400.00

Line Number	Item	Quantity	Units	Price	Description	Amount
530	610-9099	1.00	LS	\$2,400.00	REM WINGWALLS & PARAPETS, STA - .570+93	\$2,400.00
535	610-9099	1.00	LS	\$2,400.00	REM WINGWALLS & PARAPETS, STA - 544+88	\$2,400.00
540	610-9099	1.00	LS	\$2,400.00	REM WINGWALLS & PARAPETS, STA - 502+08	\$2,400.00
545	610-9099	1.00	LS	\$2,400.00	REM WINGWALLS & PARAPETS, STA - 434+28	\$2,400.00
550	610-9099	1.00	LS	\$2,400.00	REM WINGWALLS & PARAPETS, STA - 434+28	\$2,400.00
555	610-9099	1.00	LS	\$2,400.00	REM WINGWALLS & PARAPETS, STA - 351+40	\$2,400.00
560	610-9099	1.00	LS	\$2,400.00	REM WINGWALLS & PARAPETS, STA - 351+37	\$2,400.00
565	610-9099	1.00	LS	\$2,400.00	REM WINGWALLS & PARAPETS, STA - 301+40	\$2,400.00
570	610-9099	1.00	LS	\$2,400.00	REM WINGWALLS & PARAPETS, STA - 293+53	\$2,400.00
700	668-1100	6.00	EA	\$3,254.84	CATCH BASIN, GP 1	\$19,529.02
705	668-2100	10.00	EA	\$2,889.77	DROP INLET, GP 1	\$28,897.69
710	668-5000	2.00	EA	\$2,331.36	JUNCTION BOX	\$4,662.72
4 foot flush Total						\$2,143,630.18
0300 - 4 foot flush						
Line Number	Item	Quantity	Units	Price	Description	Amount
20	163-0232	113.00	AC	\$705.68	TEMPORARY GRASSING	\$79,741.84
25	163-0240	4810.00	TN	\$85.30	MULCH	\$410,293.00
30	163-0301	20.00	EA	\$1,492.18	CONSTRUCT AND REMOVE CONSTRUCTION EXITS	\$29,843.56
35	163-0528	10582.00	LF	\$7.64	CONSTRUCT AND REMOVE FABRIC CHECK DAM - TYPE C SILT FENCE	\$80,895.26
40	163-0535	1.00	EA	\$5,540.00	CONSTRUCT AND REMOVE TEMPORARY SEDIMENT TRAP, STA NO - 29400	\$5,540.00
45	163-0535	1.00	EA	\$5,540.00	CONSTRUCT AND REMOVE TEMPORARY SEDIMENT TRAP, STA NO - 30100	\$5,540.00
50	163-0535	1.00	EA	\$5,540.00	CONSTRUCT AND REMOVE TEMPORARY SEDIMENT TRAP, STA NO - 31500	\$5,540.00
55	163-0535	1.00	EA	\$5,540.00	CONSTRUCT AND REMOVE TEMPORARY SEDIMENT TRAP, STA NO - 35100	\$5,540.00
60	163-0535	1.00	EA	\$5,540.00	CONSTRUCT AND REMOVE TEMPORARY SEDIMENT TRAP, STA NO - 43400	\$5,540.00
65	163-0535	1.00	EA	\$5,540.00	CONSTRUCT AND REMOVE TEMPORARY SEDIMENT TRAP, STA NO - 43400	\$5,540.00
70	163-0535	1.00	EA	\$5,540.00	CONSTRUCT AND REMOVE TEMPORARY SEDIMENT TRAP, STA NO - 48800	\$5,540.00
75	163-0535	1.00	EA	\$5,540.00	CONSTRUCT AND REMOVE TEMPORARY SEDIMENT TRAP, STA NO - 50200	\$5,540.00
80	163-0535	1.00	EA	\$5,540.00	CONSTRUCT AND REMOVE TEMPORARY SEDIMENT TRAP, STA NO - 54400	\$5,540.00
85	163-0535	1.00	EA	\$5,540.00	CONSTRUCT AND REMOVE TEMPORARY SEDIMENT TRAP, STA NO - 57000	\$5,540.00
90	163-0535	1.00	EA	\$5,540.00	CONSTRUCT AND REMOVE TEMPORARY SEDIMENT TRAP, STA NO - 60200	\$5,540.00
95	163-0535	1.00	EA	\$5,540.00	CONSTRUCT AND REMOVE TEMPORARY SEDIMENT TRAP, STA NO - 60300	\$5,540.00
100	163-0535	1.00	EA	\$5,540.00	CONSTRUCT AND REMOVE TEMPORARY SEDIMENT TRAP, STA NO - 65000	\$5,540.00
105	163-0535	1.00	EA	\$5,540.00	CONSTRUCT AND REMOVE TEMPORARY SEDIMENT TRAP, STA NO - 65200	\$5,540.00
110	163-0535	1.00	EA	\$5,540.00	CONSTRUCT AND REMOVE TEMPORARY SEDIMENT TRAP, STA NO - 74200	\$5,540.00
115	163-0535	1.00	EA	\$5,540.00	CONSTRUCT AND REMOVE TEMPORARY SEDIMENT TRAP, STA NO - 74300	\$5,540.00
120	163-0531	1.00	EA	\$23,499.99	CONSTRUCT AND REMOVE SEDIMENT BASIN, TP 1, STA NO - 29400	\$23,499.99
125	163-0531	1.00	EA	\$23,499.99	CONSTRUCT AND REMOVE SEDIMENT BASIN, TP 1, STA NO - 43000	\$23,499.99
130	163-0531	1.00	EA	\$23,499.99	CONSTRUCT AND REMOVE SEDIMENT BASIN, TP 1, STA NO - 50000	\$23,499.99
135	163-0531	1.00	EA	\$23,499.99	CONSTRUCT AND REMOVE SEDIMENT BASIN, TP 1, STA NO - 54200	\$23,499.99
140	163-0531	1.00	EA	\$23,499.99	CONSTRUCT AND REMOVE SEDIMENT BASIN, TP 1, STA NO - 57000	\$23,499.99
145	163-0531	1.00	EA	\$18,383.45	CONSTRUCT AND REMOVE SEDIMENT BASIN, TP 1, STA NO - 74000	\$18,383.45
150	163-0550	16.00	EA	\$215.55	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	\$3,448.80
155	165-0010	7140.00	LF	\$0.47	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	\$3,352.66
160	165-0030	27200.00	LF	\$0.92	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	\$24,890.45
165	165-0041	5291.00	LF	\$0.84	MAINTENANCE OF CHECK DAMS - ALL TYPES	\$4,421.37
170	165-0060	1.00	EA	\$2,155.58	MAINTENANCE OF TEMPORARY SEDIMENT BASIN, STA NO - 29400	\$2,155.58
175	165-0060	1.00	EA	\$2,155.58	MAINTENANCE OF TEMPORARY SEDIMENT BASIN, STA NO - 43000	\$2,155.58
180	165-0060	1.00	EA	\$2,155.58	MAINTENANCE OF TEMPORARY SEDIMENT BASIN, STA NO - 50000	\$2,155.58
185	165-0060	1.00	EA	\$2,155.58	MAINTENANCE OF TEMPORARY SEDIMENT BASIN, STA NO - 54200	\$2,155.58
190	165-0060	1.00	EA	\$2,155.58	MAINTENANCE OF TEMPORARY SEDIMENT BASIN, STA NO - 57000	\$2,155.58
195	165-0060	1.00	EA	\$2,155.58	MAINTENANCE OF TEMPORARY SEDIMENT BASIN, STA NO - 74000	\$2,155.58
200	165-0101	20.00	EA	\$580.99	MAINTENANCE OF CONSTRUCTION EXIT	\$11,619.76
205	165-0105	16.00	EA	\$81.18	MAINTENANCE OF INLET SEDIMENT TRAP	\$1,298.83
210	165-0107	1.00	EA	\$772.79	MAINTENANCE OF TEMPORARY SEDIMENT TRAP, STA NO - 29400	\$772.79
215	165-0107	1.00	EA	\$772.79	MAINTENANCE OF TEMPORARY SEDIMENT TRAP, STA NO - 30100	\$772.79
220	165-0107	1.00	EA	\$772.79	MAINTENANCE OF TEMPORARY SEDIMENT TRAP, STA NO - 31500	\$772.79
225	165-0107	1.00	EA	\$772.79	MAINTENANCE OF TEMPORARY SEDIMENT TRAP, STA NO - 35100	\$772.79
230	165-0107	1.00	EA	\$772.79	MAINTENANCE OF TEMPORARY SEDIMENT TRAP, STA NO - 43400	\$772.79
235	165-0107	1.00	EA	\$772.79	MAINTENANCE OF TEMPORARY SEDIMENT TRAP, STA NO - 48800	\$772.79
240	165-0107	1.00	EA	\$772.79	MAINTENANCE OF TEMPORARY SEDIMENT TRAP, STA NO - 50200	\$772.79
245	165-0107	1.00	EA	\$772.79	MAINTENANCE OF TEMPORARY SEDIMENT TRAP, STA NO - 54400	\$772.79
250	165-0107	1.00	EA	\$772.79	MAINTENANCE OF TEMPORARY SEDIMENT TRAP, STA NO - 57000	\$772.79
255	165-0107	1.00	EA	\$772.79	MAINTENANCE OF TEMPORARY SEDIMENT TRAP, STA NO - 60200	\$772.79
260	165-0107	1.00	EA	\$772.79	MAINTENANCE OF TEMPORARY SEDIMENT TRAP, STA NO - 60300	\$772.79
265	165-0107	1.00	EA	\$772.79	MAINTENANCE OF TEMPORARY SEDIMENT TRAP, STA NO - 65000	\$772.79

Line Number	Item	Quantity	Units	Price	Description	Amount
270	165-0107	1.00	EA	\$772.79	MAINTENANCE OF TEMPORARY SEDIMENT TRAP, STA NO - 65200	\$772.79
275	165-0107	1.00	EA	\$772.79	MAINTENANCE OF TEMPORARY SEDIMENT TRAP, STA NO - 74200	\$772.79
280	165-0107	1.00	EA	\$772.79	MAINTENANCE OF TEMPORARY SEDIMENT TRAP, STA NO - 74300	\$772.79
285	167-1000	12.00	EA	\$280.24	WATER QUALITY MONITORING AND SAMPLING	\$3,362.89
290	167-1500	36.00	MO	\$667.17	WATER QUALITY INSPECTIONS	\$24,018.02
295	171-0010	14280.00	LF	\$2.47	TEMPORARY SILT FENCE, TYPE A	\$35,209.20
300	171-0030	54400.00	LF	\$4.64	TEMPORARY SILT FENCE, TYPE C	\$252,591.71
4 foot flush Total						\$1,214,036.08
0400 - 4 foot flush median						
Line Number	Item	Quantity	Units	Price	Description	Amount
5	150-1000	1.00	LS	\$1,200,000.00	TRAFFIC CONTROL - STP00-0000-00(820)	\$1,200,000.00
10	150-5010	4.00	EA	\$8,825.60	TRAFFIC CONTROL, PORTABLE IMPACT ATTENUATOR	\$35,302.40
15	153-1300	1.00	EA	\$86,772.91	FIELD ENGINEERS OFFICE TP 3	\$86,772.91
305	201-1500	1.00	LS	\$2,000,000.00	CLEARING & GRUBBING - STP00-0000-00(820)	\$2,000,000.00
310	205-0001	179000.00	CY	\$7.06	UNCLASS EXCAV	\$1,263,595.01
365	441-0104	1144.00	SY	\$36.44	CONC SIDEWALK, 4 IN	\$41,689.80
370	441-6222	6859.00	LF	\$16.82	CONC CURB & GUTTER, 8 IN X 30 IN, TP 2	\$115,354.18
575	620-0100	12000.00	LF	\$32.46	TEMPORARY BARRIER, METHOD NO. 1	\$389,557.32
580	634-1200	100.00	EA	\$134.08	RIGHT OF WAY MARKERS	\$13,407.81
615	641-1200	27200.00	LF	\$15.87	GUARDRAIL, TP W	\$431,695.82
620	641-5001	25.00	EA	\$1,266.46	GUARDRAIL ANCHORAGE, TP 1	\$31,661.61
625	641-5015	25.00	EA	\$2,913.62	GUARDRAIL TERMINAL, TP 12A, 31 IN, TANGENT, ENERGY-ABSORBING	\$72,840.50
630	643-0155	10000.00	LF	\$10.01	FIELD FENCE SPCL DESIGN	\$100,100.00
635	643-8000	6.00	EA	\$619.22	GATE, FIELD FENCE - 20'	\$3,715.31
640	643-8103	4500.00	LF	\$3.63	BARBED WIRE FENCE, 3 STRAND	\$16,335.00
715	700-6910	225.00	AC	\$192.35	PERMANENT GRASSING	\$43,278.12
720	700-7000	541.00	TN	\$19.01	AGRICULTURAL LIME	\$10,282.61
725	700-8000	285.00	TN	\$676.16	FERTILIZER MIXED GRADE	\$192,705.49
730	700-8100	578.00	LB	\$4.16	FERTILIZER NITROGEN CONTENT	\$2,407.02
735	711-0100	6300.00	SY	\$4.37	TURF REINFORCING MATTING, TP 1	\$27,531.06
740	711-0200	4200.00	SY	\$3.95	TURF REINFORCING MATTING, TP 2	\$16,603.99
745	716-1000	110000.00	SY	\$2.28	EROSION CONTROL MATS, WATERWAYS	\$250,800.00
750	716-2000	151000.00	SY	\$0.66	EROSION CONTROL MATS, SLOPES	\$99,059.02
4 foot flush median Total						\$6,444,694.98
0600 - 4 foot flush						
Line Number	Item	Quantity	Units	Price	Description	Amount
585	636-1033	1200.00	SF	\$13.76	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	\$16,516.14
590	636-1036	400.00	SF	\$20.08	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 11	\$8,032.71
595	636-1041	120.00	SF	\$30.65	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 9	\$3,678.31
600	636-2070	2200.00	LF	\$10.72	GALV STEEL POSTS, TP 7	\$23,574.83
605	636-2090	500.00	LF	\$9.24	GALV STEEL POSTS, TP 9	\$4,617.80
610	636-5010	174.00	EA	\$43.97	DELINEATOR, TP 1	\$7,651.59
4 foot flush Total						\$64,071.38
0610 - 4 foot flush						
Line Number	Item	Quantity	Units	Price	Description	Amount
645	653-0120	166.00	EA	\$91.65	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	\$15,214.39
650	653-0170	50.00	EA	\$168.48	THERMOPLASTIC PVMT MARKING, ARROW, TP 7	\$8,424.02
655	653-1704	300.00	LF	\$7.80	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	\$2,340.52
660	653-2501	25.00	LM	\$2,308.81	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	\$57,720.36
665	653-2502	21.00	LM	\$2,431.11	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	\$51,053.26
670	653-3502	6200.00	GLF	\$0.57	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, YELLOW	\$3,503.74
675	653-4501	23.00	GLM	\$1,565.66	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	\$36,010.15
680	653-6004	1300.00	SY	\$5.49	THERMOPLASTIC TRAF STRIPING, WHITE	\$7,130.63
685	653-6006	26000.00	SY	\$4.21	THERMOPLASTIC TRAF STRIPING, YELLOW	\$109,402.02
690	654-1001	574.00	EA	\$4.65	RAISED PVMT MARKERS TP 1	\$2,668.08
695	654-1003	3100.00	EA	\$6.36	RAISED PVMT MARKERS TP 3	\$19,731.25
4 foot flush Total						\$313,198.42

TOTALS FOR CONCEPT NAME 0000820

ITEMS COST:	\$23,785,033.63
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TYPICAL SECTION:	\$0.00
ESTIMATED COST:	\$23,785,033.63
CONTINGENCY PERCENT:	
ENGINEERING AND INSPECTION:	
ESTIMATED COST WITH CONTINGENCY AND E&I:	

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Interoffice Memo

FILE

PI NUMBER	0000820	PROJECT DESCRIPTION	SR 40 FROM MP 5.21 TO EAST OF COLERAIN RD ROADWAY WIDENING & RECONSTRUCTION Camden/Charlton Counties
OFFICE	Program Delivery		
DATE	Friday, December 04, 2020		

From: Kimberly W. Nesbitt, State Program Delivery Administrator

To: Erik Rohde, P.E., State Project Review Engineer
via email Mailbox: CostEstimatesandUpdates@dot.ga.gov

Subject: REVISIONS TO PROGRAMMED COSTS

Project Manager:	Cassius Octavius Edwards
Management Let Date:	6/15/2023
Management Right of Way Date:	9/23/2021

Cost Estimate Review Iteration

Date of Submittal #1	09/03/2020
Date of Submittal #2	12/04/2020
Date of Submittal #3	

Summary of Programmed Costs and Proposed Revised Costs:

Estimate Type	Cost Estimate Amounts (T-Pro Without Inflation)	Last Estimate Date	Revised Cost Estimate
CONSTRUCTION	\$34,314,463.85	01/21/2020	\$29,554,637.28
RIGHT OF WAY	\$2,653,000.00	04/30/2020	\$2,653,000.00
UTILITIES	\$2,551,200.00	03/31/2020	\$2,551,200.00

Explanation for Cost Change and Contingency Justification:


Annual CES update revised preliminary plans. A 13% contingency was chosen due to the level of engineering at this time. As the engineering proceeds into preliminary and final design the contingency value will be decreased.

Attachments:

411 print out

Interoffice Memo

Design Phase Leader Validation of Final QC/QA for Construction Cost Estimate Used In This Revision to Programmed Costs:

Consultant Company or GDOT Design Office:	WSP USA, Inc.
Printed Name:	Geoffrey Donald
Title:	Project Manager
Signature:	
Date:	11/3/2020 Updated 12/4/20 by cover -OB

FOR PROJECTS WITH A LOCAL SPONSOR

If the project has a local sponsor, the project manager should ensure that the local authority completes the following validation indicating that it has reviewed the construction cost estimate and whether it is in concurrence with the construction costs presented.	
Please select the appropriate validation below upon review of the cost estimate:	
<input checked="" type="checkbox"/> I acknowledge that I have reviewed the project construction cost estimate and <u>concur</u> with the costs presented. <input type="checkbox"/> I acknowledge that I have reviewed the project construction cost estimate but <u>do not concur</u> with the costs presented.	
Please provide an explanation for non-concurrence.	
Local Authority Name and Title:	
Local Authority Signature:	
Date:	

[illegible]

GEORGIA DEPARTMENT OF TRANSPORTATION
PRELIMINARY ROW COST ESTIMATE SUMMARY

Date: 4/3/2020 Project: STP00-0000-00(820)
Revised: County: Charlton/Camden
PI: 820

Description: S. R. 40 widening Charlton/Camden Counties
Project Termini: S. R. 40 widening Charlton/Camden Counties

Existing ROW: Varies
Required ROW: Varies
Parcels: 52

Land and Improvements \$988,762.50

Proximity Damage	\$0.00
Consequential Damage	\$0.00
Cost to Cures	\$25,000.00
Trade Fixtures	\$25,000.00
Improvements	\$300,000.00

Valuation Services \$231,875.00

Legal Services \$335,100.00

Relocation \$531,000.00

Demolition \$109,500.00

Administrative \$456,500.00

TOTAL ESTIMATED COSTS \$2,652,737.50

TOTAL ESTIMATED COSTS (ROUNDED) \$2,653,000.00

Prepared By: Cheryl H. Brewer *Cheryl H. Brewer* 4/3/2020
Print Name Signature Date

Cost Estimation Supervisor: *Valencia Carter* *Valencia Carter* 4/30/2020
Print Name Signature Date


NOTE: Supervisor is only attesting that the estimate was completed using the correct information provided for the the project. The Supervisor is not attesting to property values or the accuracy of the market value estimations provided in this report. No Market Appreciation is included in this Preliminary Cost Estimate.

Comments:



Interoffice Memo

FILE Project No: n/a Office: District 5, Jesup
 County Camden/Charlton Date: 3/31/2020
 P.I.# 0000820
 Description: SR 40 FM E. of St Marys River Trib to E of CR 66/Colerain

FROM Dallery Rozier, District Utilities Manager 

TO Cassius Edwards, Project Manager

SUBJECT PRELIMINARY UTILITY COST ESTIMATE

A review of utilities located on the above referenced project has been conducted based on the latest available plans. Listed below is a breakdown of the anticipated reimbursable and non-reimbursable cost.

Utility Owner	Reimbursable	Non-Reimbursable	In Contract/CIA (Non-Reimbursable)	Estimate Based on
TDS		\$1,257,795.00	\$0.00	Site Visit / Available Drawings
Windstream		\$1,257,795.00	\$0.00	Site Visit / Available Drawings
City of Kingsland		\$20,962.00	\$0.00	Site Visit / Available Drawings
Kingsland Cable		\$387,819.00	\$0.00	Site Visit / Available Drawings
GA Power Company-Distribut	\$427,650.00		\$0.00	Site Visit / Available Drawings
Okefenokee EMC	\$2,123,550.00		\$0.00	Site Visit / Available Drawings
Atlanta Gas Light		\$2,906,904.00	\$0.00	Site Visit / Available Drawings
Total 100.00%	\$2,551,200.00	\$5,831,275.00	\$0.00	
Department Responsibility 100.00%	\$2,551,200.00		\$0.00	
Local Sponsor Responsibility 0.00%	\$0.00		\$0.00	PFA Dated N/A with N/A

** Indicates Potential Utility Aid Request from Local Gov't

Estimate is based on the best available information at the current stage, unforeseen prior rights information may be provided by the Utility Company at a later date that could cause some non-reimbursable costs to shift to the reimbursable cost column.

If additional information is needed, please contact Leslie Dubberly at 912-530-4404.

cc: Patrick Allen, P.E., State Utilities Administrator
 Shajan Joseph, P.E., Assistant State Utilities Administrator
 Marcela Coll, State Utilities Preconstruction Manager
 David Woodcox, Utilities Preconstruction Specialist
 Danah Bonny, Utilities Preconstruction Specialist
 Vahid Munshi, Management Specialist

Donald, Geoffrey

From: Edwards, Cassius Octavius <cedwards@dot.ga.gov>
Sent: Friday, November 20, 2020 8:53 AM
To: Donald, Geoffrey
Subject: FW: 0000820, 0000821, Camden, Charlton Counties: Estimated Mitigation Costs for Concept Report

Importance: High

Geoffrey, see the below email for the Mitigation Credits for both projects.

Edwards, Mr. Cassius O.

Project Manager I



Office of Program Delivery
600 West Peachtree Street, NW
Atlanta, GA 30308
Residing Office:
204 North Highway 301
Jesup, GA, 31545
912.530.4370 office
912.661.7156 cell
cedwards@dot.ga.gov

From: Westberry, Lisa <lwestberry@dot.ga.gov>
Sent: Friday, November 20, 2020 8:40 AM
To: Edwards, Cassius Octavius <cedwards@dot.ga.gov>
Subject: RE: 0000820, 0000821, Camden, Charlton Counties: Estimated Mitigation Costs for Concept Report
Importance: High

Good morning,

The estimated mitigation costs for each project are below:

PI 0000820: \$33,148 for stream credits, \$0 for wetland credits
PI 0000821: \$51,452 for stream credits, \$0 for wetland credits

Thank you,

Lisa Westberry
Special Projects Coordinator



Office of Environmental Services
One Georgia Center, 16th Floor
600 West Peachtree Street, NW
Atlanta, GA, 30308
404.631.1772

From: Edwards, Cassius Octavius <cedwards@dot.ga.gov>
Sent: Tuesday, November 17, 2020 3:40 PM
To: Westberry, Lisa <lwestberry@dot.ga.gov>
Subject: RE: 0000820, 0000821, Camden, Charlton Counties: Estimated Mitigation Costs for Concept Report

I need them as soon as you can give them to me. The 0000820 project revised concept needs to be resubmitted to DP&S on 12/4/2020. The 0000821 project revised concept needs to be resubmitted to DP&S on 12/8/2020. I need to get the costs to the consultant for inclusion into the revised concept reports.

Edwards, Mr. Cassius O.
Project Manager I



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cedwards@dot.ga.gov

From: Westberry, Lisa <lwestberry@dot.ga.gov>
Sent: Tuesday, November 17, 2020 1:57 PM
To: Edwards, Cassius Octavius <cedwards@dot.ga.gov>
Subject: RE: 0000820, 0000821, Camden, Charlton Counties: Estimated Mitigation Costs for Concept Report

It's for both combined. It will take me some time to split them out. How soon do you need the estimate?

Thank you,

Lisa Westberry
Special Projects Coordinator



Office of Environmental Services

One Georgia Center, 16th Floor
600 West Peachtree Street, NW
Atlanta, GA, 30308
404.631.1772

From: Edwards, Cassius Octavius <cedwards@dot.ga.gov>
Sent: Tuesday, November 17, 2020 1:04 PM
To: Westberry, Lisa <lwestberry@dot.ga.gov>
Subject: RE: 0000820, 0000821, Camden, Charlton Counties: Estimated Mitigation Costs for Concept Report

Is that just for the 000820 or 0000821 project? What is the split cost for both projects?

Edwards, Mr. Cassius O.
Project Manager I



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cedwards@dot.ga.gov

From: Westberry, Lisa <lwestberry@dot.ga.gov>
Sent: Tuesday, November 17, 2020 10:19 AM
To: Edwards, Cassius Octavius <cedwards@dot.ga.gov>
Subject: RE: 0000820, 0000821, Camden, Charlton Counties: Estimated Mitigation Costs for Concept Report

Good morning Cassius,

Based on the most current reporting that I could find, the estimated mitigation costs for the subject project is \$84,600. This cost is associated with purchasing the noted stream mitigation credits. The wetland credits required by the project can be debited from one of the Department's mitigation banks at no cost.

If you require any further information or have any questions, do not hesitate to reach out.

Thank you,

Lisa Westberry
Special Projects Coordinator



Office of Environmental Services

One Georgia Center, 16th Floor
600 West Peachtree Street, NW
Atlanta, GA, 30308
404.631.1772

From: Edwards, Cassius Octavius <cedwards@dot.ga.gov>
Sent: Monday, November 16, 2020 2:39 PM
To: Westberry, Lisa <lwestberry@dot.ga.gov>
Subject: RE: 0000820, 0000821, Camden, Charlton Counties: Estimated Mitigation Costs

It is for the revised concept report. I need the estimated Mitigation costs to attach to the report. We are in the preliminary phase currently.

Edwards, Mr. Cassius O.
Project Manager I



Office of Program Delivery
600 West Peachtree Street, NW
Atlanta, GA 30308
Residing Office:
204 North Highway 301
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From: Westberry, Lisa <lwestberry@dot.ga.gov>
Sent: Monday, November 16, 2020 1:15 PM
To: Edwards, Cassius Octavius <cedwards@dot.ga.gov>
Subject: RE: 0000820, 0000821, Camden, Charlton Counties: Estimated Mitigation Costs

Hi Cassius,

I forgot to ask if this would be a concept level estimate or something so you can anticipate your PE funding needs. Also, what is the current schedule for these projects?

Thank you,

Lisa Westberry
Special Projects Coordinator



Office of Environmental Services
One Georgia Center, 16th Floor
600 West Peachtree Street, NW

Atlanta, GA, 30308
404.631.1772

From: Westberry, Lisa
Sent: Monday, November 16, 2020 1:01 PM
To: Edwards, Cassius Octavius <cedwards@dot.ga.gov>
Subject: RE: 0000820, 0000821, Camden, Charlton Counties: Estimated Mitigation Costs

Good morning,

I'll have something for you later this morning.

Thank you,

Lisa Westberry
Special Projects Coordinator



Office of Environmental Services
One Georgia Center, 16th Floor
600 West Peachtree Street, NW
Atlanta, GA, 30308
404.631.1772

From: Edwards, Cassius Octavius <cedwards@dot.ga.gov>
Sent: Monday, November 16, 2020 9:39 AM
To: Westberry, Lisa <lwestberry@dot.ga.gov>
Subject: 0000820, 0000821, Camden, Charlton Counties: Estimated Mitigation Costs

Lisa, can you send me the estimated Mitigation costs for the above referenced projects?

Edwards, Mr. Cassius O.
Project Manager I



Office of Program Delivery
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Atlanta, GA 30308
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Georgia is a state of natural beauty. And it's a state that spends millions each year cleaning up litter that not only mars that beauty, but also affects road safety, the environment and the economy. Do your part to **KEEP IT CLEAN GEORGIA** – don't litter. How can you play an active role in protecting the splendor of the Peach State? Find out at <http://keepgaclean.com/>.

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE: STP00-0000-00(820)(821) Camden Charlton **OFFICE:** Engineering Services
P.I. Nos.: 0000820 & 0000821
SR 40 Widening **DATE:** July 8, 2009

FROM: Ronald E. Wishon, Project Review Engineer *REW*

TO: Brad Saxon, PE, District Preconstruction Engineer, Jesup
Attn.: Rebecca Thigpen

SUBJECT: IMPLEMENTATION OF VALUE ENGINEERING STUDY ALTERNATIVES


The VE Study for the above projects was held April 14-17, 2009. Responses were received on July 1, 2009. Recommendations for implementation of Value Engineering Study Alternatives are indicated in the table below. The Project Manager shall incorporate the VE alternatives recommended for implementation to the extent reasonable in the design of the project.

ALT #	Description	Potential Savings/LCC	Implement	Comments
A-1	Construct 11 foot lanes in the 5 lane urban section between Sta. 690+00 and Sta. 721+00	\$92,000	Yes	This will be done.
A-2	Reduce the length of the tapers and right turn lanes throughout the project	\$86,000	Yes	This will be done.
A-3	Reduce tapers and left turn storage lanes	Proposed = \$226,000 Actual = \$113,000	Yes	This will be partially implemented. The storage length will be reduced, but the taper length will not.
A-4	Reduce the full depth asphalt pavement thickness due to low traffic volumes	\$1,345,000	Yes	OMR has indicated it is very likely the pavement thickness can be reduced.
A-12	Eliminate alignment shift at cemetery	\$745,000	No	The Temple Baptist Church property, including the cemetery, is eligible for listing in the National Register of Historic Places. The proposed alignment was set to facilitate approval from SHPO.

A-14	Shift the roadway north and transition back to a two-lane roadway between Sta. 845+00 and Sta. 865+00 on the east end of the project (0000820)	\$1,521,000	No	This would impact the logical termini at the east end of the project.
A-15	Shift the start of the 45 mph speed zone on the west end of the project (0000821) from Sta. 75+00 to Sta. 87+00 to eliminate ROW relocation/acquisition. Construct a 5 lane section with rural shoulders through this area.	\$620,000	Yes	The proposed change from 4 lane divided to 5 lane section with rural shoulders will reduce ROW impacts. It may be possible for the speed limit to be reduced.
A-16	Shift Willies Loop Road/SR 40 intersection about 200 feet west to eliminate ROW relocation/acquisition	\$496,000	Yes	This will be done.
A-18	Eliminate the dual 3 foot bike lane from the 5-lane urban roadway section between Sta. 690+00 and Sta. 721+00	Proposed = \$141,000 Actual = \$94,000	Yes	The 5-lane section shoulders will change to a rural section from Sta. 690+00 to Sta. 702+00 and from Sta. 712+00 to Sta. 721+00. This area will have room for bikes on the shoulder behind the rumble strips. The urban shoulder will remain from Sta. 702+00 to Sta. 712+00 due to tight ROW constraints. Sidewalks will be removed, but the 3 foot bike lane will remain in this area.
A-19	Construct four 12 foot travel lanes (separated with a 4 foot striped median) with <u>rural</u> shoulders in lieu of the 5-lane urban roadway section between Sta. 690+00 and Sta. 721+00	\$891,000	No	The proposed 4 foot striped median would cause confusion with vehicles making left turns from the roadway. This would introduce unsafe conditions leading to increases in rear end collisions. This typical section is more conducive for use in a controlled access highway than in an urban corridor.

A-19.1	Construct four 12-foot travel lanes (separated with a 4 foot striped median) with <u>urban</u> shoulders in lieu of the 5-lane urban roadway section between Sta. 690+00 and Sta. 721+00	\$321,000	No	The proposed 4 foot striped median would cause confusion with vehicles making left turns from the roadway. This would introduce unsafe conditions leading to increases in rear end collisions. This typical section is more conducive for use in a controlled access highway than in an urban corridor.
B-1	Buy ROW only out to the shoulder break point and obtain any additional property as permanent easement	\$355,000	No	This is usually done in tight urbanized areas. In this rural area ROW is relatively inexpensive. By changing the proposed shoulders to rural shoulders (A-18) ROW will be needed to maintain the drainage ditches.
G-1	Maintain the standard roadway crown on the existing roadway in lieu of building up the pavement to add reverse crown	\$1,002,000	Yes	This will be done.
J-1	Eliminate the 2 foot inside widening by shifting all widening to the outside	\$300,000	No	Since G-1 will be done, J-1 cannot be done.
R-1	Eliminate asphalt curb from under the guardrail	\$369,000	No	Future costs associated with maintenance and repair of slope erosion problems behind guardrail with no asphalt curbs would negate the proposed cost savings.
U-1	Eliminate both sidewalks along the 5-lane urban roadway section	Proposed = \$136,000 Actual = \$91,000	Yes	This will be done in some areas due to the changes in typical sections. See attached Typical Section Sheet.

The Office of Engineering Services concurs with the Project Manager's responses.

Approved:  Date: 7/10/09
Gerald M. Ross, PE, Chief Engineer

REW/LLM

Attachments

c: Genetha Rice Singleton
Paul Liles/Bill Duvall/Bill Ingalsbe/Shawn Williams
Brad Saxon/Dennis Odom/Rebecca Thigpen
Sheree Smart
Will Murphy/Cory Knox/Michael Carmichael/Brian Scarbrough
Ken Werho
Lisa Myers
Matt Sanders